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-- USER'S GUIDE --

ENVIRONMENTAL/ HAZARDOUS ASPECTS OF ARMY PETROLEUM & RELATED PRODUCTS

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November 1994

"Environmental Stewardship has emerged as the Ethic for Future National Policies and Actions."
W.P.W. Stone
Secretary of the Army (former)

USER'S GUIDE:

ENVIRONMENTAL/HAZARDOUS ASPECTS

OF ARMY PETROLEUM & RELATED PRODUCTS

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INTRODUCTION:

This document is intended to provide guidance in the proper storage, use, and disposal of Army Petroleum, Oils, and Lubricant (POL) products. It addresses environmental legislation which governs the handling of these products and points out when used POL products require special consideration for disposal and when they are merely classified as "solid waste". Federal regulations regarding exposure to hazardous/toxic substances and the environmental impacts of these substances are becoming increasingly restrictive. The Environmental Protection Agency (EPA) and Occupational Safety and Health Act (OSHA) are continuously regulating the handling, storage, and disposal of compounds deemed toxic or hazardous. Army POL products are in many cases affected by these regulations, but are not always classified as hazardous or toxic. Identified in this document is a representative sampling of Military and Federal specification POL products subject to regulation; how the products are to be handled, stored and disposed; and the potential toxic, hazardous, and environmental impact of exposure to these products.

The sampling of specification POL products was primarily intended to include all those for which this office is the Preparing Activity. Other specifications and industry standards that are commonly use by Army ground forces have been included as well. The listing of these forty-eight (48) Military/Federal Specifications, Commercial Item Descriptions, and Industry Standards are by no means complete as there are numerous others which ground forces frequently utilize. However, this listing includes those products which have both a relatively high utilization rate and typically represent the types of product chemistries (i.e., additives and base stocks) found in bulk and packaged petroleum and related products used by the military. Should there be specific products of interest that are not contained within this User's Guide which utilize widely differing product chemistries (i.e., one would be unable to extrapolate the needed information from this document), the needed information should be requested from that military agency identified as the Preparing Activity or Custodian.

This Guide is not intended to be a completely comprehensive identification of the regulations affecting Army POL. State regulations, which in many cases are even more restrictive than at the Federal level, are not considered due to the vast variety and complexity of regulations at the state level. Because state ordinances are not identified in this Guide does not mean, however, that they are not applicable to Army POL.

SYNOPSIS OF FEDERAL ENVIRONMENTAL REGULATION:

US environmental legislation follows the guidelines established in the **National Environmental Policy Act of 1969 (NEPA)** which seeks to set national policy and general goals for preventing damage to the environment.[1] Of the environmental legislation enacted by Congress, the **Clean Air Act (CAA), Resource Conservation and Recovery Act (RCRA), Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), Emergency Planning and Community Right to Know Act (EPCRA), Toxic Substances Control Act (TSCA), and Occupational Health and Safety Act (OSHA)** are the laws most likely to impact the handling, storage, and disposal of Army POL.

CAA regulates the emissions of identified compounds into the environment. RCRA and CERCLA address the issues of disposing of waste products while EPCRA establishes liability for improper disposal of waste products and requires that all hazardous aspects of products be communicated through **Material Safety Data Sheets (MSDS)**. TSCA addresses the hazardous nature of products and allows EPA to impose bans on the importation and use of products deemed extremely hazardous. Finally, OSHA provides a series of regulations designed to protect employees from exposure to hazardous products while at the work place. The following is a summary of this legislation and seeks to explain what aspects of the legislation directly affect Army POL.

CLEAN AIR ACT (CAA)

The primary purpose of the Clean Air Act is to regulate emissions of hazardous air pollutants and set national limits for maximum allowable concentrations of six "criteria pollutants". Such emissions result from vehicle exhaust, use of solvents, and solvent borne materials.

NATIONAL AMBIENT AIR QUALITY STANDARDS (NAAQS)

CAA emission limits, known as National Ambient Air Quality Standards have been set for 6 criteria pollutants:

Carbon Monoxide
Lead
Nitrogen Dioxide
Ozone
Particulate Matter
Sulfur Dioxide[2]

These pollutants are deemed hazardous and/or toxic to humans and the environment. Limiting their emission to the atmosphere seeks to limit exposure to humans and damage to the environment. Limits have also been set for the release of volatile organic compounds (VOCs). In addition to addressing sources of hazardous emissions, **CAA provides for stratospheric ozone protection in Title VI by requiring the phase out of most ozone depleting substances (ODS) by 1996.** Regarding Army POL, solid film lubricants (MIL-L-46010, MIL-L-46147) are regulated under the VOC limits and cleaners once commonly used to clean parts exposed to POL (1,1,1-trichloroethane, 1,1,1-trifluoroethane, etc) are now banned under the ozone depleting substance (ODS) phase out.

CLEAN AIR ACT AMENDMENTS OF 1990

The CAA is of concern to the Army because the Clean Air Act Amendments of 1990 require that as of October 1, 1993, **diesel fuel for on highway application is allowed a maximum 0.05 wt% sulfur content and 40 minimum cetane index.**[3] In addition, new emission standards for 1993 and later models of on-road diesel engines have been set for particulate matter (0.25 g/bhp-hr), carbon monoxide (15.5 g/bhp-hr), hydrocarbons (1.3 g/bhp-hr), and nitrogen oxides (5.0 g/bhp-hr).[4] The CAA also established, under Title III, a list of **189 hazardous air pollutants.** Army maintenance units and depots must take care to avoid release of these compounds when conducting maintenance operations (see Appendix A for list of EPA Hazardous Air Pollutants).

RESOURCE CONSERVATION AND RECOVERY ACT (RCRA)

RCRA regulates generation, transportation, treatment, storage, and disposal of hazardous waste (HW) as defined by 40 CFR 261. Although not all used POL is regulated as hazardous waste, RCRA is one of the more significant pieces of environmental legislation and warrants particular attention by the Army.

Subtitle "C" and Subtitle "I" of RCRA are considered for the purposes of this Guide as the sections of legislation having the most impact:

SUBTITLE C

Subtitle C of RCRA addresses four specific areas.

1) **manifest system** designed to track all HW from point of generation to final disposition

2) **phased permitting system** designed to regulate HW treatment, storage, and disposal facilities (TSDF) on a site specific basis

3) **ground water remediation program** for sites with ground water contamination caused by a release of HW from regulated HW management units

4) **inspection and enforcement program** to ensure compliance with requirements

SUBTITLE I

Subtitle "I", specifically addresses underground storage tanks (UST) which store petroleum and hazardous compounds. This section of RCRA provides guidance on the specifications for the USTs and how they are to be managed and maintained.[5]

RCRA WASTE CLASSIFICATION

It is important to understand that RCRA recognizes two types of waste: solid and hazardous. **A solid waste is "any refuse from treatment facilities and discards from industrial, commercial, or community activities"** while **hazardous waste is broadly defined as "any discarded material not excluded by 40 CFR 261".**[6] Solid wastes are not regulated as hazardous materials, but may be subject to other regulations outside RCRA, especially at the local level regarding disposal in landfills, by incineration, etc. Solid wastes are not restricted to items in the solid state; any waste liquid or gas may also be designated as a solid waste. Many POL products fall into the solid waste category because they do not meet the definition of a hazardous waste, but are still subject to local storage and disposal regulations.

HAZARDOUS WASTE DEFINITION

A solid waste is considered hazardous if it meets one or both of two distinct criteria:

1) Hazardous waste subject to full RCRA Subtitle C requirements can be identified as hazardous if it is composed of, is a mixture of, or contains components which are substances listed in 40 CFR 261 Subpart D (see Appendix A, Hazardous Wastes from Specific and Non-Specific Sources).[7] [8]

2) A solid waste is also considered hazardous if it exhibits any of the characteristics (ignitability, corrosivity, reactivity, or toxicity) defined in 40 CFR 261 Subpart C (40 CFR 261.20-24). If any of these defined characteristics are exhibited, the solid waste is said to be characteristically hazardous.

As an aid to determining if a material is classified as a solid waste or hazardous waste, Figures 1-4 from 40 CFR 260 are included in Appendix B. These figures are flow diagrams that help identify a material as hazardous and what requirements apply to the handling and disposal of these wastes.

HAZARDOUS WASTE: IGNITABILITY CHARACTERISTIC

> A solid waste exhibits ignitability if it is a liquid with a flash point less than 60°C, is a solid capable of causing fire through friction, is an ignitable compressed gas as defined in 49 CFR 173.300, or is an oxidizer as defined in 49 CFR 173.151.

Any solid waste that exhibits ignitability has an **EPA Hazardous Waste Number of D001.**[9]

HAZARDOUS WASTE: CORROSIVITY CHARACTERISTIC

> A solid waste exhibits corrosivity if it is aqueous and has a pH less than or equal to 2.0 or greater than or equal to 12.5; or if it is a liquid and corrodes steel at a rate greater than 6.36mm per year at 55°C.

A corrosive solid waste is assigned an **EPA Hazardous Waste Number of D002.**[10]

HAZARDOUS WASTE: REACTIVITY CHARACTERISTIC

The characteristic of reactivity is defined as any solid waste with any of the following properties:

1) it is normally unstable and readily undergoes violent change without detonating

2) it reacts violently with water

3) it forms potentially explosive mixtures with water

4) when mixed with water, it generates toxic gases, vapors, or fumes

5) it is a cyanide or sulfide bearing waste which when exposed to pH conditions between 2.0 and 12.5 can generate toxic gases, vapors, or fumes

6) it is capable of detonation or explosive reaction if it is subjected to a strong initiating source or if heated under confinement

7) it is readily capable of detonation or explosive decomposition or reaction at standard temperature and pressure

8) it is a forbidden explosive as defined in 49 CFR 173.51, 173.53, or 173.88

This type of hazardous waste is assigned an **EPA Hazardous Waste Number of D003.**[11]

HAZARDOUS WASTE: TOXICITY CHARACTERISTIC

> A solid waste exhibits toxicity if it contains any of the contaminants listed in Table 1 of 40 CFR 261.24 (see Appendix A) at levels exceeding the maximum regulatory concentration level.

The EPA Hazardous Waste Number assigned to this type of waste corresponds to the toxic contaminant causing the waste to be hazardous (eg. D005 for barium containing waste, D008 for waste containing lead, etc). The **EPA Hazardous Waste Numbers for toxic contaminants are also listed in Table 1 of 40 CFR 261.24.**[12]

USED OIL

RCRA specifically addresses issues regarding used oil. The definition of used oil includes engine oils, lubricating oils, gear oils, transmission oils, hydraulic oils, etc. In September 1992, EPA adopted used oil management standards which became effective March 1993 and are discussed in 40 CFR 279. These standards promulgated the final rule that listing used oil destined for recycling as a hazardous waste is not necessary, provided adequate management standards exist to regulate risks associated with recycling. Used oil that is destined for disposal is regulated as a solid waste. If the used oil exhibits a hazardous waste characteristic, then it is subject to characteristically hazardous waste regulations. Mixtures of used oil with hazardous waste are also regulated as hazardous.[13]

HAZARDOUS WASTE GENERATORS

Generators of hazardous waste must pay particular attention to RCRA regulations. When waste is generated it must be tracked from point of origin to final dispensation at a treatment, storage, and disposal facility. An EPA "Uniform Hazardous Waste Manifest" must accompany all off-site shipments of such waste.[14] If a generator plans to accumulate waste on site, it must do so under very strict provisions. Accumulation cannot exceed 90 days without permit; all hazardous waste must be stored in tanks or containers that are in compliance with 40 CFR 265; tanks or containers are labeled "Hazardous Waste" and with the date accumulation began; employees handling hazardous waste are properly trained in accordance with 40 CFR 262; and all regulations for spill contingency and emergency response are followed.[15] Generators are required to submit reports regarding waste stream, transport, TSD facility, and efforts to reduce volume and toxicity of waste. These records must be kept 3 years or longer if specifically required by EPA.

UNDERGROUND STORAGE TANKS

One final aspect of RCRA involves Underground Storage Tanks (UST). A UST is regulated under RCRA if it contains 1) petroleum that is liquid at standard temperature and pressure, or 2) hazardous substances as defined by Section 101 (14) of CERCLA, but not including hazardous wastes under Subtitle C of RCRA. Used oil UST are subject to requirements applicable to petroleum UST and must be monitored and checked for leaks every 30 days. Owners/operators are responsible for ensuring that release does not occur through spillage or over-filling. Eventually, all UST will be required to be equipped with a release detection system to prevent underground contamination.[16]

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT (CERCLA)

CERCLA is commonly referred to as Superfund and was enacted as a result of concern over the number of uncontrolled and abandoned hazardous waste sites not regulated under RCRA. Superfund refers to the fund designed to pay for cleanup of CERCLA sites that was created from congressional appropriations and a special tax on the chemical and petroleum industries. CERCLA was reauthorized in 1986 by the Superfund Amendments and Reauthorization Act (SARA) and unlike other environmental regulations does not apply to day to day operations.

CERCLA applies only to release or threat of release of hazardous substances that already threaten the environment.[17] [18] It is significant in that it provides a mechanism through which the Federal Government can recover clean-up costs or compel private companies to clean up their sites. CERCLA recognizes two types of clean up actions. Removal Action is a short term limited response to a release/threatened release. Remedial Action which is a long term response that is" consistent with a permanent remedy to prevent or minimize release of hazardous substances so they do not migrate to cause substantial danger to present or future public health or welfare or the environment."

ENVIRONMENTAL LIABILITY

CERCLA is retroactive and permits liability to be imposed without fault and is usually joint or several (each liable party can be forced to bear the full legal obligation when harm is divisible). Individuals can be found liable and government units can be found liable. There are only three defenses for liability: 1) Act of God, 2) Act of War, or 3) Act or Omission of a third party. It is CERCLA that gives the EPA the leverage needed to compel those that willingly release hazardous substances to the environment to pay for clean up costs and punitive damages (up to 3 times the amount of Superfund expenditures). Because of CERCLA, it is prudent for all organizations to closely comply with environmental regulation.

EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW ACT (EPCRA)

EPCRA was enacted as Title III of SARA and has two main goals:

1) establish a system for planning and responding to hazardous chemical emergencies

2) establish chemical reporting requirements to inform the public about the risks imposed by

EPCRA decreed that each state establish two types of regulatory bodies. The State Emergency Response Commission (SERC) is responsible for designating local emergency planning districts, appointing Local Emergency Planning Committees (LEPC), and supervising and coordinating activities of the LEPC. The LEPC must prepare comprehensive emergency response plans.[19, 20]

EXTREMELY HAZARDOUS SUBSTANCES (EHS)

A facility is subject to EPCRA if it has an extremely hazardous substance (EHS) present in an amount that exceeds the threshold planning quantity (TPQ) for that substance. EPCRA recognizes 360 EHSs which are listed in Appendix A of 40 CFR 355 (see Appendix A of this guide). Under EPCRA, a hazardous substance is any chemical under OSHA's hazard communication standard for which an MSDS is required. Under OSHA hazardous can be defined as a physical hazard or a health hazard. Physical hazards imply the substance is combustible, explosive, flammable, pyrophoric, or reactive. Health hazards exist if acute or chronic health affects may occur in exposed employees. Facilities that have hazardous chemicals in quantities greater than specified minimums must report their emergency plans and hazardous chemical inventory to the applicable LEPC and SERC.[21]

FEDERAL FACILITY COMPLIANCE

It must be noted that according to Executive Order #12856, all federal facilities are required to comply with EPCRA and the Pollution Prevention Act (PPA) of 1990 requirements. The Order was signed 3 August 1993, but previous to that time, federal facilities were exempt from EPCRA. The EO mandates that all federal facilities will be required to adhere to the same planning and reporting provision of EPCRA and PPA and in addition meet new standards for pollution prevention ethics. Federal facilities must develop a written

pollution prevention strategy to include policies emphasizing source reduction as the primary method of environmental protection and compliance. Facilities must develop voluntary goals for reducing total off-site transfers of Toxic Release Inventory (TRI) chemicals and toxic pollutants by 50% by 1999. Each federal agency is required to establish plans and goals for eliminating/reducing the unnecessary acquisition/usage of products containing extremely hazardous substance (EHS) or toxic chemicals. The EO also requires the revision of standards and specifications to eliminate or reduce acquisition of EHS or toxic chemicals. All plans, strategies, and goals must be made available for public release.[22]

TOXIC SUBSTANCES CONTROL ACT (TSCA)

TSCA was created to provide regulatory and enforcement coverage for possible use in any situation involving the mismanagement of hazardous substances. The legislation is administered by EPA's Office of Toxic Substances (OTS) which allows EPA to manage industrial chemicals from cradle to grave.

TSCA applies to all parties that manufacture, process, distribute, use, or dispose of regulated chemicals. Although the terms "use" and "dispose" are not formally defined in the TSCA legislation, EPA typically interprets these terms broadly, which means the Army should pay strict attention to the requirements of TSCA.[23]

The primary purpose of TSCA is to maintain an inventory of all chemicals manufactured, processed, used, and disposed of in the United States, which may present unreasonable risks to health or the environment. If the EPA has ruled that a substance does exhibit risk of harm it has several regulatory options:

- prohibit/limit manufacture, processing, distribution, use or disposal
- prohibit/limit use in concentration in excess of specified level
- require specific labeling, warnings, or instructions for use
- require recordkeeping or testing
- prohibit or regulate specific methods of use
- prohibit or limit methods of disposal
- recall products
- impose quality control requirements

Thus far only five substances have been regulated or prohibited under TSCA:

Asbestos
Polychlorinated biphenyls (PCBs)
Dioxins
Chlorofluorocarbons (CFCs)
Certain mixtures capable of producing Nitrosamines

While at one time in the past, PCBs were commonly used in POL products, that is no longer the case and any materials presently used or stored at Army installations should not contain these compounds. CFCs on the other hand are still in existence. The military has stopped procuring products that contain CFCs in accordance with the Defense Acquisition Act of 1993, but old stocks may still contain CFCs. These products must be disposed of in accordance with Federal, state and local regulations.

Although EPA has regulated or prohibited the above 5 substances, other compounds are subject to recordkeeping, emergency planning, etc. If these regulations are not complied with, EPA has authority to impose enforcement. These measures may be in the form of civil penalties or court injunctions. The fines can range as high as $25,000 per day per violation. As part of its enforcement authority, EPA may enter and inspect any facility handling TSCA inventory substances (TSCA inventory includes over 70,000 chemicals). Section 15 of TSCA identifies TSCA violations which involve:

- Failure or refusal to comply with Sections 4, 5, or 6 of TSCA
- Use of a chemical substance known to have been manufactured, processed, or distributed in violation of Sections 5, 6, or 7 of TSCA
- Failure to establish/ maintain records or submit information as required by Section 8 of TSCA
- Failure to permit inspection of premises or records in violation of Section 11 of TSCA

GUIDE FORMAT:

The following information (when available and applicable) will be presented for each product included in this Guide:

TITLE, USE and TYPE: The specification number and title along with a brief, limited description of the intended use of the product and its chemical makeup (petroleum base, clay thickened grease, etc) will be given.

HAZARDOUS COMPONENTS: Throughout this Guide, any hazardous components contained in the products will be identified and the following information provided for each component (when available and applicable) :[24] [25]

CAS: Chemical Abstracts Service (CAS) Registry Number. The CAS number is a numeric designation assigned by the American Chemical Society's Chemical Abstracts Service. This number is unique for each specific chemical compound. The number allows identification of the material regardless of the name or naming system used in identifying the material.

Hazard Rating (HR): This code indicates the relative hazard for toxicity, fire, and reactivity. Each aspect is rated from 1 to 3 with 3 being the worst hazard level. The highest rating of these three aspects becomes the overall hazard rating for the compound. Specific definitions for each rating are as follows:

"3"	Toxicity:	LD50 below 400mg/kg or LC50 below 100 ppm
	Fire:	explosive, highly flammable
	Reactivity:	highly reactive
"2"	Toxicity:	LD50 of 400-4000 mg/kg or LC50 of 100-500 ppm
	Fire:	material flammable
	Reactivity:	material reactive
"1"	Toxicity:	LD50 of 4000-40,000 mg/kg or LC50 500-5000 ppm
	Fire:	material combustible
	Reactivity:	some reactivity

(LD50: Lethal Dose Fifty - calculated dose which is expected to cause death of 50% of defined experimental animal population)

(LC50: Lethal Concentration Fifty - calculated concentration of material in air, exposure to which for a specified length of time is expected to cause death of 50% of defined experimental animal population)

IARC: The International Agency for Research on Cancer (IARC) reviews information on suspected environmental carcinogens and assigns a carcinogenicity rating. The code consists of two parts, the first of which indicates whether the data pertains to animals or humans; the next two words indicate the degree of carcinogenic risk as defined by IARC. For animals the risk is judged to fall into one of four categories:

1) Sufficient Evidence (when there is an increase incidence of malignant tumors)

2) Limited Evidence (when data suggests in a limited manner a carcinogenic effect

3) Inadequate Evidence (when data is inconclusive regarding carcinogenic effect)

4) No Evidence (when data shows no carcinogenic effect).

For humans the risk is also categorized as above but because of different criteria:

1) Sufficient Evidence (when data indicates a causal relationship between exposure and human cancer)

2) Limited Evidence (when data indicates a causal relationship is credible, but alternative explanations are not ruled out)

3) Inadequate Evidence (when no pertinent data is available or data inconclusive)

4) No Evidence (data shows no evidence of causal relationship).

NTP Status: This code indicates the material has been tested by the National Toxicology Program (NTP) for carcinogenicity and is assumed to be a human carcinogen.

EPA Extremely Hazardous Substances List: This list of 402 substances was developed by the Environmental Protection Agency (EPA) as required by the Superfund Amendments and Reauthorization Act of 1986 (SARA). Title III Section 304 requires notification by facilities of a release of these extremely hazardous substances.

Community Right to Know List (CRTKL): This list was also developed by the EPA as required by SARA. Title III Sections 311-312 requires manufacturing facilities to provide MSDS and notify local authorities of presence of listed chemicals.

EPA GTP: This status indicates the material has been considered in the EPA's Genetic Toxicology Program (GTP) and had genetic effects reported in literature during the period 1969-1979.

EPA TSCA Status: This status indicates the material appears on the chemical inventory prepared by EPA in accordance with the Toxic Substances Control Act (TSCA).

TOXICITY: In addition to identifying which components are subject to the above, this Guide will provide descriptions of the symptoms that occur upon exposure to the hazardous components.

FIRE HAZARDS: The flash and/or fire point of the product will be given; extinguishants used to eliminate fire caused by the product identified; and special precautions required when combustion occurs.

STORAGE CONSIDERATIONS: Proper storage of the products will be identified as well as incompatibilities with other products. This section will also explain potential consequences of storing Army POL with products deemed incompatible.

SPILL CONTAINMENT AND CLEANUP: This section provides instructions for containing and cleaning up spills. When large spills occur, local and state regulations must be adhered to and reported as required.

DISPOSAL: This section provides general disposal guidelines and identifies Federal Regulation which must be complied with, but is not intended to supersede local regulations. All local and state regulations must be met when disposing of Army POL.

SPECIFICATION PRODUCTS

MIL-L-2104 **Lubricating Oil, I-C Engine, Combat/Tactical**
USE: Engine, Hydraulic, Transmission, Power Steering, Gear Box **TYPE:** Petroleum Base

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Distillates (Petroleum), Hydrotreated, Heavy Paraffinic
CAS#: 64742-54-7 **HR:** Not Available
TSCA
TOXICITY: Specifics Not Available

Distillates (Petroleum), Solvent-Dewaxed, Heavy Paraffinic
CAS#: 64742-65-0 **HR:** Not Available
TSCA
TOXICITY: Specifics Not Available

Proprietary Additives
CAS#: Not Available **HR:** Not Available
TSCA
TOXICITY: Specifics Not Available

EXPOSURE:
EYES: contact may cause irritation; if irritation persists, contact physician
SKIN: lubricant removes skin oils; prolonged contact may cause irritation or dermatitis
INHALATION: no problem under ambient conditions; heated lubricant may produce vapors - avoid inhalation; avoid exposure to oil mist
INGESTION: Not Available

HANDLING:
PROTECTIVE EQUIPMENT: goggles when splashing may occur; protective gloves to avoid prolonged contact; respiratory protection in confined or enclosed spaces

HYGIENE: wash exposed skin with soap & water; launder soaked apparel before reuse; discard soaked leather shoes, belts, etc

FIRE HAZARD:
FLASH POINT: 226°C (439°F)
EXTINGUISHANTS: CO_2, Dry Chemical, Foam, Water fog
HAZARDOUS DECOMPOSITION: carbon monoxide, oxides of sulfur, phosphorus and nitrogen, metal oxides, aldehydes
SPECIAL HAZARDS: keep away from ignition sources; keep container closed when not in use; empty containers should be kept away from ignition sources

STORAGE:
INCOMPATIBILITIES: strong oxidants (liquid chlorine, concentrated oxygen, sodium hypochlorite, etc);

OTHER: Contact with strong oxidants presents a serious explosion hazard.

SPILLS: absorb with inert material; scoop into closed container; keep oil out of sewers or watercourses by diking or impounding; advise authorities if water sources become contaminated by spill

DISPOSAL: Unused product not classified as hazardous waste, may be recycled; Disposal of used oil (hazardous and non-hazardous) is subject to 40 CFR 279.80-81. Also subject to state and local level regulations (see Appendix C for State Used Oil Hotline phone numbers). Dispose of unused item in accordance with HSHB-ME-SH, Technical Guide No. 126, Disposal Method RM03 (see Appendix E).

MIL-L-2105 Lubricating Oil, Gear, Multipurpose
USE: Axles, Differentials, Final Drives Gear Units, Manual Transmissions **TYPE:** Petroleum Base

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Distillates (Petroleum), Hydrotreated, Heavy Paraffinic
CAS#: 64742-54-7 **HR:** Not Available
TSCA
TOXICITY: Specifics Not Available

Distillates (Petroleum), Solvent-Dewaxed, Heavy Paraffinic
CAS#: 64742-65-0 **HR:** Not Available
TSCA
TOXICITY: Specifics Not Available

Residual Oils (Petroleum), Hydrotreated
CAS#: 64742-57-0 **HR:** Not Available
TSCA
TOXICITY: Specifics Not Available

Residual Oils (Petroleum), Solvent-Dewaxed
CAS#: 64742-62-7 **HR:** Not Available
TSCA
TOXICITY: Specifics Not Available

Proprietary Additives
CAS#: Not Available **HR:** Not Available
TSCA
TOXICITY: Specifics Not Available

EXPOSURE:
EYES: contact may cause irritation; if irritation persists, contact physician
SKIN: lubricant removes skin oils; prolonged contact may cause irritation or dermatitis
INHALATION: no problem under ambient conditions; heated lubricant may produce vapors - avoid inhalation; avoid exposure to oil mist
INGESTION: Not Available

HANDLING:
PROTECTIVE EQUIPMENT: goggles when splashing may occur; protective gloves to avoid prolonged contact; respiratory protection in confined or enclosed spaces
HYGIENE: wash exposed skin with soap & water; launder soaked apparel before reuse; discard soaked leather shoes, belts, etc

FIRE HAZARD:
FLASH POINT: 226°C (439°F)
EXTINGUISHANTS: CO_2, Dry Chemical, Foam, Water fog
HAZARDOUS DECOMPOSITION: carbon monoxide, oxides of sulfur, phosphorus, and nitrogen, metal oxides, aldehydes
SPECIAL HAZARDS: keep away from ignition sources; keep container closed when not in use; empty containers should be kept away from ignition sources

STORAGE:
INCOMPATIBILITIES: strong oxidants (liquid chlorine, concentrated oxygen, sodium hypochlorite, etc).

OTHER: Contact with strong oxidants presents a serious explosion hazard.

SPILLS: absorb with inert material; scoop into closed container; keep oil out of sewers or watercourses by diking or impounding; advise authorities if water sources become contaminated by spill

DISPOSAL: Unused product not classified as hazardous waste, may be recycled; Disposal of used oil (hazardous and non-hazardous) is subject to 40 CFR 279.80-81. Also subject to state and local level regulations (see Appendix C for State Used Oil Hotline phone numbers). Dispose of unused item in accordance with HSHB-ME-SH, Technical Guide No. 126, Disposal Method RM03 (see Appendix E).

MIL-G-3056 Gasoline, Automotive, Combat
USE: Gasoline Engines, Combat Service Equipment **TYPE:** Petroleum Fractions

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Gasoline
CAS#: 8006-61-9 **HR:** 3
TSCA
TOXICITY: Mildly toxic by inhalation. Human systemic effects by inhalation: cough, conjunctiva irritation, hallucinations or distorted perceptions. Questionable carcinogen. Pulmonary aspiration can cause severe pneumonitis. Vapors are considered to be moderately poisonous. Dangerous fire and explosion hazard.

Tetraethyl Lead
CAS#: 78-00-2 **HR:** 3
TSCA, EPA GTP, SARA III, EPA Extremely Hazardous Substance List
TOXICITY: Human poison. Moderately toxic by inhalation and skin contact. Experimental teratogenic and reproductive effects. Questionable carcinogen. Lead compounds are particularly toxic to the central nervous system.

EXPOSURE:
EYES: redness, pain, dryness
SKIN: irritation, dryness
INHALATION: may cause dizziness, headache, unconsciousness
INGESTION: may cause nausea, vomiting, unconsciousness

HANDLING:
PROTECTIVE EQUIPMENT: chemical splash goggles, protective gloves, respirator in confined spaces, protective apparel/clothing

HYGIENE: wash exposed skin with soap and water; remove soaked clothing and launder before reuse; discard contaminated leather shoes, belts, etc.

FIRE HAZARD:
FLASH POINT: -40°C (-40°F)
EXTINGUISHANTS: Foam, Dry Powder, CO_2
HAZARDOUS DECOMPOSITION: oxides of carbon and lead
SPECIAL HAZARDS: vapor-air mixtures are explosive; use water spray to cool containers exposed to heat

STORAGE:
INCOMPATIBILITIES: oxidizers and corrosives

OTHER: Do not store near heat or flame. Empty containers may contain hazardous vapors. Do not cut, weld, or drill near empty containers. Filled containers should be properly grounded.

SPILLS: Eliminate all sources of ignition immediately!

absorb with vermiculite or other inert material; scoop mixture into closed container for disposal

DISPOSAL: Due to a Flash Point below 60°C (140°F), this product is considered a Characteristically Hazardous Waste (Ignitability) and has the EPA Hazardous Waste Number D001. Incineration is recommended as a disposal method, but disposal must also be in compliance with state and local regulation.

MIL-L-3150 Lubricating Oil, Preservative
USE: Preservation, Lubrication **TYPE:** Petroleum Base

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Mineral Oil, Petroleum Distillates, Hydrotreated Heavy Naphthenic
CAS#: 64742-52-5 **HR:** Not Available
TSCA
TOXICITY: Specifics Not Available

Mineral Oil, Petroleum Distillates, Hydrotreated Light Naphthenic
CAS#: 64742-53-6 **HR:** Not Available
TSCA
TOXICITY: Specifics Not Available

Proprietary Additive with Barium
CAS#: Not Available **HR:** Not Available
TOXICITY: Specifics Not Available

EXPOSURE:
EYES: may cause irritation
SKIN: may cause irritation & dermatitis
INHALATION: nose, throat, respiratory tract irritation
INGESTION: may cause nausea, vomiting, diarrhea; aspiration into lungs may cause chemical pneumonia

HANDLING:
PROTECTIVE EQUIPMENT: goggles, protective gloves, protective coat/apparel, respirator

HYGIENE: wash exposed skin with soap and water; launder soaked clothing before reuse; dispose of soaked leather apparel

FIRE HAZARD:
FLASH POINT: 182°C (360°F)
EXTINGUISHANTS: Water fog, Foam, Dry Chemical, CO_2
HAZARDOUS DECOMPOSITION: carbon monoxide, hazardous fumes
SPECIAL HAZARDS: exposure to heat builds pressure in cans

STORAGE:
INCOMPATIBILITIES: strong oxidizing agents

OTHER: Avoid storage near heat or flame.

SPILLS: absorb with inert material; scoop mixture into closed container; Dike and contain large spills; remove with vacuum truck and report to local officials

DISPOSAL: This product is not classified as hazardous unless extraction results for Barium content exceed EPA maximum limit (40 CFR 261.24, Toxicity Characteristic). If Barium limit is exceeded, dispose of product as EPA Hazardous Waste Number D005. If product not hazardous, dispose of in accordance with HSHB-ME-SH, Technical Guide No. 126, Disposal Method RM09 (see Appendix E). Disposal of hazardous waste subject to state and local regulations.

MIL-T-5624 Turbine Fuel, Aviation, Grades JP-4, JP-5, & JP-5/JP-8 ST
USE: Turbine & Diesel Engines (excluding JP-4) **TYPE:** Petroleum Distillates

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Hydrotreated Light Petroleum Distillate
CAS#: 64742-47-8 **HR:** Not Available
TOXICITY: Specifics Not Available
2-Methoxyethanol
CAS#: 109-86-4 **HR:** 3
TSCA, CRTKL
TOXICITY: Moderately toxic to humans by ingestion.

EXPOSURE:
EYES: vapors irritating to eyes
SKIN: skin contact may aggravate existing Dermatitis
INHALATION: inhalation of vapors may cause headache, dizziness, drowsiness, unconsciousness
INGESTION: Not Available

HANDLING:
PROTECTIVE EQUIPMENT: supplied air respiratory protection in enclosed spaces, nitrile gloves, safety glasses, protective apparel

HYGIENE: Wash exposed skin with soap and water. Launder soaked clothing before reuse.

FIRE HAZARD:
FLASH POINT: 60°C (140°F)
EXTINGUISHANTS: Foam, Water Fog, Dry Chemical, CO_2
HAZARDOUS DECOMPOSITION: carbon monoxide, aldehydes, other hazardous fumes
SPECIAL HAZARDS: vapors may travel some distance along ground

STORAGE:
INCOMPATIBILITIES: strong oxidizing agents

OTHER: Avoid high temperatures, sparks, and flame.

SPILLS: Eliminate all sources of ignition immediately!

Small Spill: absorb with sand, earth, or inert material; scoop mixture into closed container.

Large Spill: dike and contain; recover free product with vacuum truck or pump to salvage vessel; absorb residue and discard into closed container; prevent product from entering watercourses or sewers.

DISPOSAL: Recycle waste material if feasible. Incineration is a possible disposal method if in compliance with state and local regulations.

MIL-H-6083 Hydraulic Fluid, Petroleum Base, Preservative & Operational
USE: Hydraulic Systems, Gun Recoil Units **TYPE:** Petroleum

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Barium Dinonylnaphthalene Sulfonate
CAS#: 25619-56-1 **HR:** Not Available
TSCA, SARA 313
TOXICITY: Specifics Not Available

Triphenyl Phosphate
CAS#: 115-86-6 **HR:** 3
TSCA
TOXICITY: Poison by subcutaneous route; moderately toxic by ingestion; absorbed slowly particularly by skin contact.

Tritolyl Phosphate
CAS#: 1330-78-5 **HR:** 3
TSCA
TOXICITY: Poison by ingestion; moderately toxic by skin contact; experimental reproductive effects.

Mineral Oil
CAS#: 8012-95-1 **HR:** 3
TSCA
TOXICITY: Human teratogen by inhalation which causes testicular tumors in the fetus. Inhalation of vapor or particulates can cause aspiration pneumonia. Questionable human carcinogen producing gastrointestinal tumors.

EXPOSURE:
EYES: irritating to eyes; may be corrosive due to additives
SKIN: irritant; prolonged exposure may lead to skin disorders
INHALATION: irritating to nasal passages and respiratory tract
INGESTION: may cause nerve damage; aspiration hazard; causes cholinesterase inhibition in animals

HANDLING:
PROTECTIVE EQUIPMENT: goggles, protective gloves; protective clothing/apparel

HYGIENE: wash exposed skin with soap and water; launder soaked clothing before reuse; discard leather apparel

FIRE HAZARD:
FLASH POINT: 99°C (210°F)
EXTINGUISHANTS: Dry Chemical, Foam, CO_2
HAZARDOUS DECOMPOSITION: oxides f carbon and sulfur, asphyxiants
SPECIAL HAZARDS: vapors ignite explosively

STORAGE:
INCOMPATIBILITIES: strong oxidizing agents

OTHER: Do not store empty containers near sources of ignition.

SPILLS: Small: absorb with inert material, scoop into closed container Large: dike and contain; pump up with vacuum truck or pump to salvage/storage vessel; absorb residue with inert material; inform local authorities of spill	**DISPOSAL:** This product is not classified as hazardous unless extraction results for Barium content exceed EPA maximum limit (40 CFR 261.24, Toxicity Characteristic). If Barium limit is exceeded, dispose of product as EPA Hazardous Waste Number D005. If product not hazardous, dispose of in accordance with HSHB-ME-SH, Technical Guide No. 126, Disposal Method RM09 (see Appendix E). Disposal of hazardous waste is subject to state and local regulations

MIL-L-7808 Lubricating Oil, Aircraft Turbine Engine, Synthetic Base
USE: Turbine Engines Only **TYPE:** Synthetic Base

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

No Hazardous Ingredients Identified by Manufacturers

EXPOSURE: **EYES:** May cause irritation. **SKIN:** May cause irritation; low dermal toxicity. **INHALATION:** May cause nausea, vomiting, respiratory tract irritation from inhalation of fumes from excessive heating. **INGESTION:** Low to medium in toxicity.	**HANDLING:** **PROTECTIVE EQUIPMENT:** NIOSH approved organic vapor cartridge respirator, safety goggles/shield, protective gloves **HYGIENE:** Wash exposed skin with soap and water; launder soaked clothing before reuse; discard leather belt shoes, etc if soaked with fluid.
FIRE HAZARD: **FLASH POINT:** 240°C (400°F) **EXTINGUISHANTS:** Water Fog, Foam, Dry Chemical, CO^2 **HAZARDOUS DECOMPOSITION:** carbon monoxide and dioxide. **SPECIAL HAZARDS:** None	**STORAGE:** **INCOMPATIBILITIES:** Avoid strong acids and bases. **OTHER:** Store in cool, dry area.
SPILLS: Small Spill: Absorb with inert material; scoop mixture into closed container. Large Spill: Dike and contain; prevent fluid from entering waterways or sewer; pick up with vacuum truck; absorb residue with inert material; scoop into closed container.	**DISPOSAL:** Unused product not classified as hazardous waste, may be recycled; Disposal of used oil (hazardous and non-hazardous) is subject to 40 CFR 279.80-81. Also subject to state and local level regulations (see Appendix C for State Used Oil Hotline phone numbers). Dispose of unused item in accordance with HSHB-ME-SH, Technical Guide No. 126, Disposal Method RM03 (see Appendix E).

MIL-C-10597 Cleaning Compound With Conditioner
USE: Cleaning IC Engine Cooling Systems **TYPE:** Inorganic Compounds

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Potassium Silicate
CAS#: 1312-76-1 **HR:** Not Available
TOXICITY: Specifics Not Available

EXPOSURE:
EYES: contact causes burns to eyes
SKIN: repeated or prolong skin contact may cause burning/irritation and result in allergic reaction (product is a corrosive liquid with a pH of approximately 12)
INHALATION: Not Available
INGESTION: may cause gastrointestinal tract irritation

HANDLING:
PROTECTIVE EQUIPMENT: safety glasses, neoprene gloves

HYGIENE: wash exposed skin with soap and water; launder soaked clothing before reuse

FIRE HAZARD:
FLASH POINT: None
EXTINGUISHANTS: Not Applicable
HAZARDOUS DECOMPOSITION: None
SPECIAL HAZARDS: None

STORAGE:
INCOMPATIBILITIES: strong acids
OTHER: Store in cool, dry area. Do not freeze. Keep containers tightly closed when not in use.

SPILLS: Small Spill: absorb with inert material; scoop mixture into closed container; remove residue with water

Large Spill: dike and contain; pump free liquid into salvage vessel or use vacuum truck; absorb residue with inert material and scoop into closed container; wash area with water

DISPOSAL: Dilute with water. Neutralize to pH of 7 with dilute acid. May be disposed of down drain (after dilution and neutralization) in accordance with all local, state and federal regulations.

MIL-G-10924 Grease, Automotive & Artillery
USE: Wheel Bearing, Chassis, Artillery, General **TYPE:** Lithium Complex

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Triphenyl Phosphate
CAS#: 115-86-6 **HR:** 3
TSCA
TOXICITY: Poison by ingestion; moderately toxic by skin contact; experimental reproductive effects.

EXPOSURE:
EYES: may cause irritation with prolonged contact
SKIN: may cause irritation with prolonged contact
INHALATION: no significant health hazard identified
INGESTION: no significant heath hazard identified, but if swallowed, seek medical attention

HANDLING:
PROTECTIVE EQUIPMENT: goggles

HYGIENE: wash thoroughly with soap and water; launder clothing before reuse

FIRE HAZARD:
FLASH POINT: >99°C (>210°F)
EXTINGUISHANTS: Dry Chemical, Water fog, Sand/earth, CO_2
HAZARDOUS DECOMPOSITION: carbon monoxide, oxides of sulfur and nitrogen, mercaptans, alkyl sulphides
SPECIAL HAZARDS: None

STORAGE:
INCOMPATIBILITIES: strong oxidizing agents, hydrogen peroxide, bromine, chromic acid

OTHER: Keep container sealed when in storage.

SPILLS: transfer bulk to disposal container; absorb residue with inert material; scoop mixture into closed container

DISPOSAL: Not considered hazardous waste. May be incinerated. Dispose of item in accordance with HSHB-ME-SH, Technical Guide No. 126, Disposal Method RM03 (see Appendix E).

MIL-A-11755 Antifreeze, Arctic Type
USE: antifreeze, arctic conditions **TYPE:** Premixed Solution

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Ethylene Glycol
CAS#: 107-21-1 **HR:** 3
TSCA, CRTKL, EPA GTP
TOXICITY: Human poison by ingestion. Human systemic effects by ingestion and inhalation: eye lacrimation, headache, cough, respiratory stimulation, nausea or vomiting, pulmonary, liver, and kidney changes.

Diethylene Glycol
CAS#: 111-46-6 **HR:** 3
TSCA, CRTKL
TOXICITY: Moderately toxic by ingestion; ingestion can cause drop in blood pressure and cardiac disturbances.

EXPOSURE:
EYES: causes eye irritation
SKIN: slight irritation to skin
INHALATION: prolonged repeated breathing of vapors harmful
INGESTION: swallowing causes drunkenness, rapidly passing into coma, causing serious or fatal kidney and liver damage

HANDLING:
PROTECTIVE EQUIPMENT: goggles, protective gloves, protective clothing/apparel, respirator with vapor cartridge and dust/mist prefilter

HYGIENE: flush skin with water until thoroughly rinsed, then follow with soap and water; remove soaked clothing and launder before reuse

FIRE HAZARD:
FLASH POINT: 121°C (250°F)
EXTINGUISHANTS: Water fog, foam, Dry Chemical, CO_2
HAZARDOUS DECOMPOSITION: carbon monoxide
SPECIAL HAZARDS: None

STORAGE:
INCOMPATIBILITIES: strong oxidizing agents

OTHER: Keep containers sealed when not in use.

SPILLS: Small Spill: absorb with inert material; scoop mixture into closed container; flush away residue with water.

Large Spill: dike and contain, remove liquid with vacuum truck or by pumping into salvage drums; absorb residue with inert material and flush area with water.

DISPOSAL: This item is not to be incinerated or buried in a sanitary landfill. Antifreeze/water mixtures shall be disposed of in accordance with HSAHB-ME-SH, Technical Guide No. 126, Disposal Method B007 (see Appendix E)

MIL-F-12070 Fog Oil
USE: Smoke Generators **TYPE:** Petroleum Oil

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Hydrotreated Heavy Naphthenic Petroleum Distillate
CAS#: 64742-52-5 **HR:** Not Available
TSCA
TOXICITY: Specifics Not Available
Mineral Oil, Petroleum Distillates, Hydrotreated Light
CAS#: 64742-53-6 **HR:** Not Available
TSCA
TOXICITY: Specifics Not Available

EXPOSURE:
EYES: irritating to eyes on contact
SKIN: irritating to skin; prolonged exposure may cause dermatitis
INHALATION: breathing mists may cause respiratory difficulties; at high temperatures, aspiration into lungs may occur; headaches and dizziness may occur
INGESTION: may causes cramps and diarrhea

HANDLING:
PROTECTIVE EQUIPMENT: safety glasses or splash goggles, rubber gloves, protective apparel/clothing

HYGIENE: wash exposed skin with soap and water; launder soaked clothing before reuse

FIRE HAZARD:
FLASH POINT: 121°C (249°F)
EXTINGUISHANTS: Water Fog, Foam, Dry Chemical, CO^2
HAZARDOUS DECOMPOSITION: carbon monoxide, carbon dioxide, aldehydes, ketones, oxides of sulfur
SPECIAL HAZARDS: None

STORAGE:
INCOMPATIBILITIES: strong oxidizing agents and oxychlorine salts

OTHER: Avoid high heat, open flames, and other sources of ignition.

SPILLS: Small Spill: absorb with inert material; scoop into closed container

Large Spill: dike and contain; prevent liquid from entering watercourses and sewers; pump into salvage vessels; absorb residue and scoop mixture into closed container

DISPOSAL: Dispose of item in accordance with HSHB-ME-SH, Technical Guide No. 126, Disposal Method RM03 (see Appendix E).

MIL-L-14107 Lubricating Oil, Weapons, Low Temperature USE: Weapons, arctic conditions **TYPE:** Synthetic Base	
HAZARDOUS COMPONENTS THAT MAY BE PRESENT: No Hazardous Ingredients Identified By Manufacturers	
EXPOSURE: **EYES:** may cause redness and burning **SKIN:** may cause cracking or dryness of skin; prolonged contact may lead to defatting and dermatitis **INHALATION:** irritating to respiratory tract **INGESTION:** irritating to gastrointestinal tract	**HANDLING:** **PROTECTIVE EQUIPMENT:** safety goggles, nitrile gloves, protective apron **HYGIENE:** wash exposed skin with soap and water; launder soaked clothing before reuse; discard soaked leather belts, shoes, etc
FIRE HAZARD: **FLASH POINT:** 163°C (325°F) **EXTINGUISHANTS:** Water Fog, Foam, Dry Chemical, CO_2 **HAZARDOUS DECOMPOSITION:** oxides of sulfur, carbon monoxide and carbon dioxide **SPECIAL HAZARDS:** container may explode due to extreme heat	**STORAGE:** **INCOMPATIBILITIES:** strong oxidizing agents **OTHER:** Store in cool, dry, well ventilated area; avoid high heat and damage to containers.
SPILLS: Contain and recover free product with vacuum truck; absorb residue with inert material; scoop mixture into closed container.	**DISPOSAL:** Dispose of item in accordance with HSHB-ME-SH, Technical Guide No. 126, Disposal Method RM03 (see Appendix E).

MIL-L-21260 Lubricating Oil, I-C Engine, Preservative & Break-In
USE: Preservation & Storage, Break-in of new & rebuilt engines and powertrain systems **TYPE:** Petroleum Base

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Proprietary Components
CAS#: Not Available **HR:** Not Available
TSCA
TOXICITY: Specifics Not Available

EXPOSURE: **EYES:** not expected to cause irritation **SKIN:** not expected to cause irritation **INHALATION:** may cause irritation **INGESTION:** Not Available	**HANDLING:** **PROTECTIVE EQUIPMENT:** safety glasses, nitrile gloves, protective clothing/apparel **HYGIENE:** wash skin with soap and water, launder soaked clothing before reuse
FIRE HAZARD: **FLASH POINT:** >100°C (>212°F) **EXTINGUISHANTS:** Dry Chemical, Foam, Water Spray, Water Fog, CO_2 **HAZARDOUS DECOMPOSITION:** oxides of carbon, nitrogen, phosphorus, sulfur, calcium, magnesium, zinc; hydrogen sulfide **SPECIAL HAZARDS:** wear self contained breathing apparatus and full face shield when attempting to extinguish flames	**STORAGE:** **INCOMPATIBILITIES:** oxidizing agents **OTHER:** None
SPILLS: Small Spill: absorb with inert material; scoop mixture into closed container Large Spill: dike and contain; pick up liquid with vacuum truck or pump into salvage containers	**DISPOSAL:** Unused product not classified as hazardous waste, may be recycled; Disposal of used oil (hazardous and non-hazardous) is subject to 40 CFR 279.80-81. Also subject to state and local level regulations (see Appendix C for State Used Oil Hotline phone numbers). Dispose of unused item in accordance with HSHB-ME-SH, Technical Guide No. 126, Disposal Method RM03 (see Appendix E).

MIL-L-23699 Lubricating Oil, Aircraft Turbine Engine, Synthetic Base
USE: Turbine Engines **TYPE:** Synthetic Base

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Triorthocresyl Phosphate
CAS#: 78-30-8 **HR:** 3
TSCA
TOXICITY: Poison by subcutaneous, intravenous, intramuscular routes. Moderately toxic by ingestion. When heated to decomposition, emits highly toxic fumes of phosphorous oxides.

EXPOSURE:
EYES: mild Irritant
SKIN: mild Irritant
INHALATION: irritating to respiratory tract; may cause headache
INGESTION: may cause nausea, vomiting, diarrhea, gastrointestinal irritation

HANDLING:
PROTECTIVE EQUIPMENT: safety glasses or splash shield, nitrile gloves, resistant apparel/clothing

HYGIENE: wash exposed skin with soap and water; launder soaked clothing before reuse; discard soaked leather belt, boots, etc

FIRE HAZARD:
FLASH POINT: 254°C (490°F)
EXTINGUISHANTS: Water Fog, Foam, Dry Chemical, CO_2
HAZARDOUS DECOMPOSITION: carbon monoxide and carbon dioxide
SPECIAL HAZARDS: combustion or heat of fire may produce hazardous decomposition products or vapors; cool containers with water; empty containers may contain flammable vapors unless cleaned

STORAGE:
INCOMPATIBILITIES: strong oxidizing agents

OTHER: Avoid extremely high temperatures.

SPILLS: Small Spill: absorb with inert material; scoop mixture into closed container

Large Spill: dike and contain; do not flush into sewer or waterways; recover bulk with vacuum truck or pump to salvage vessel; absorb residue with inert material and scoop into closed container

DISPOSAL: Unused product not classified as hazardous waste, may be recycled; Disposal of used oil (hazardous and non-hazardous) is subject to 40 CFR 279.80-81. Also subject to state and local level regulations (see Appendix C for State Used Oil Hotline phone numbers). Dispose of unused item in accordance with HSHB-ME-SH, Technical Guide No. 126, Disposal Method RM03 (see Appendix E).

MIL-I-25017 Inhibitor, Corrosion/Lubricity Improver, Fuel Soluble
USE: Fuel Corrosion Inhibitor & Lubricity Improver **TYPE:** Dimer Acids

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Unsaturated Dimer Fatty Acid
CAS#: 61788-89-4 **HR:** Not Available
TOXICITY: Specifics Not Available

Aromatic Hydrocarbon
CAS#: 64742-94-5 **HR:** Not Available
TOXICITY: Specifics Not Available

Naphthalene
CAS#: 91-20-3 **HR:** 3
TSCA, CRTKL, EPA GTP
TOXICITY: Human poison by ingestion. Experimental reproductive effects. Can cause nausea, headache, diaphoresis, hematuria, fever, anemia, liver damage, vomitiong, convulsions, and coma. Questionable carcinogen with experimental tumorigenic data.

EXPOSURE:
EYES: may cause irritation
SKIN: may cause irritation; considered to have a low dermal toxicity
INHALATION: inhalation of vapors may cause irritation of the respiratory tract, headache, dizziness, drowsiness, or other central nervous system effects
INGESTION: considered to have a low oral toxicity

HANDLING:
PROTECTIVE EQUIPMENT: safety goggles, protective gloves, organic vapor cartridge respirator if ventillation is inadequate

HYGIENE: clean exposed skin with waterless hand cleaner; wipe off then wash with soap and water; launder soaked clothing before reuse

FIRE HAZARD:
FLASH POINT: 74°C (165°F)
EXTINGUISHANTS: Foam, Dry Chemical, CO_2
HAZARDOUS DECOMPOSITION: oxides of carbon and nitrogen
SPECIAL HAZARDS: None

STORAGE:
INCOMPATIBILITIES: mineral acids and bases

OTHER: Store in cool, well ventillated area away from ignition sources. Do not weld or cut empty drum; residue can ignite explosively if heated sufficiently.

SPILLS: Eliminate all sources of ignition immediately!

absorb with inert material or sand; scoop into closed container

DISPOSAL: This product can be disposed of via controlled incineration. Disposal should be in accordance with all local, state, and Federal regulations.

MIL-L-46000 Lubricant, Semi-Fluid (Automatic Weapons)
USE: Weapon Systems **TYPE:** Synthetic

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Bis(2-Ethylhexyl)Sebacate
CAS#: 122-62-3 **HR:** 2
TSCA
TOXICITY: Moderately toxic by ingestion and intravenous route.

Barium Dinonylnaphthalene Sulfonate
CAS#: 25619-56-1 **HR:** Not Available
TSCA, SARA 313
TOXICITY: Specifics Not Available

EXPOSURE:
EYES: irritating to eyes
SKIN: irritating to skin; prolonged exposure may cause redness, burns, dryness, defatting
INHALATION: may cause headache, dizziness
INGESTION: may cause nausea, vomiting, unconsciousness

HANDLING:
PROTECTIVE EQUIPMENT: splash goggles or face shield, nitrile gloves, protective apron

HYGIENE: wash exposed skin with soap and water; launder soaked clothing before reuse; discard soaked leather belts, shoes, etc

FIRE HAZARD:
FLASH POINT: 93°C (200°F)
EXTINGUISHANTS: Water Fog, Foam, Dry Chemical, CO_2
HAZARDOUS DECOMPOSITION: carbon monoxide and dioxide
SPECIAL HAZARDS: exposure to heat builds up pressure in closed containers; cool with water spray

STORAGE:
INCOMPATIBILITIES: strong oxidizing agents.

OTHER: Store in cool, dry, well ventilated are; protect containers from damage; keep containers tightly closed when not in use. Product may soften some plastics and paint surfaces.

SPILLS: contain and recover free product with vacuum truck; absorb residue and small spills with inert material; scoop mixture into closed container

DISPOSAL: This product is not classified as hazardous unless extraction results for Barium content exceed EPA maximum limit (40 CFR 261.24, Toxicity Characteristic). If Barium limit is exceeded, dispose of product as EPA Hazardous Waste Number D005. If product not hazardous, dispose of in accordance with HSHB-ME-SH, Technical Guide No. 126, Disposal Method RM03 (see Appendix E). Disposal of hazardous waste subject to state and local regulations.

MIL-H-46001 Hydraulic Fluid, Petroleum Base, Machine Tools
USE: Hydraulic fluid for Machine Tools **TYPE:** Petroleum Base

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Mineral Oil, Petroleum Distillates, Hydrotreated, Heavy Paraffinic
CAS#: 64742-54-7 **HR:** Not Available
TOXICITY: Specifics Not Available

EXPOSURE:
EYES: can cause redness and burning of eyes
SKIN: can cause cracking and dryness of skin
INHALATION: cay cause headache and dizziness
INGESTION: may cause nausea, vomiting, gastrointestinal tract disturbances

HANDLING:
PROTECTIVE EQUIPMENT: safety goggles, nitrile gloves, protective apron

HYGIENE: Wash exposed skin with soap and water; if irritation persists, seek medical attention; launder soaked clothing before reuse; discard soaked leather belts, shoes, etc

FIRE HAZARD:
FLASH POINT: 200°C (392°F)
EXTINGUISHANTS: Water Fog, Foam, Dry Chemical, CO_2
HAZARDOUS DECOMPOSITION: carbon monoxide and dioxide
SPECIAL HAZARDS: containers may explode due to extreme heat; cool with water spray

STORAGE:
INCOMPATIBILITIES: strong oxidizing agents

OTHER: Avoid high temperatures. Store in cool, dry, well ventilated area.

SPILLS: Small Spill: absorb with inert material; scoop mixture into closed container

Large Spill: contain and recover free product by pumping into salvage vessel; absorb residue with inert material and scoop mixture into closed container

DISPOSAL: Dispose of in accordance with HSHB-ME-SH, Technical Guide No. 126, Disposal Method RM03 (see Appendix E).

MIL-P-46002 Preservative, Contact & Volatile Corrosion Inhibitor **USE:** Preservation of non-wetted surfaces **TYPE:** Petroleum Base Oil	
HAZARDOUS COMPONENTS THAT MAY BE PRESENT: **NOT AVAILABLE**	
EXPOSURE: **EYES:** mild irritation **SKIN:** mild irritation; prolonged exposure may cause dermatitis **INHALATION:** may cause nausea and lightheadedness **INGESTION:** may cause diarrhea or stomach upset and nausea	HANDLING: **PROTECTIVE EQUIPMENT:** goggles or face shield, neoprene gloves, protective apparel/clothing **HYGIENE:** wash exposed skin with soap and water; room contaminated clothing and launder before reuse
FIRE HAZARD: **FLASH POINT:** 154°C (310°F) **EXTINGUISHANTS:** Foam, Water Fog, Dry Chemical, CO_2 **HAZARDOUS DECOMPOSITION:** carbon monoxide **SPECIAL HAZARDS:** containers may explode in heat of fire	**STORAGE:** **INCOMPATIBILITIES:** strong oxidants (liquid chlorine, concentrated oxygen) **OTHER:** Avoid high temperatures and ignition sources.
SPILLS: Small Spills: absorb with inert material; scoop mixture into closed container Large Spills: dike and contain. Provide ventilation. Pump into covered drums; absorb remaining residue with absorbent material and scoop into closed container	**DISPOSAL:** This product may be incinerated in approved facility or may be disposed of in a sanitary landfill in accordance with state and local regulations.

MIL-L-46010 Lubricant, Solid Film, Heat Cured, Corrosion Inhibiting
USE: Dry Lubrication **TYPE:** Adhesively Bonded Coating

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

DIBASIC LEAD PHOSPHITE
CAS#: 12141-20-7 **HR:** Not Available
TSCA, SARA 313, IARC: Yes, NTP: No
TOXICITY: Specifics Not Available

ANTIMONY TRIOXIDE
CAS#: 1309-64-4 **HR:** 3
TSCA, CRTKL, SARA 313, IARC: Yes (Human Indefinite), NTP: No
TOXICITY: Suspected Human Carcinogen; experimental reproductive effects; emits toxic antimony fumes when heated to decomposition; poison by intravenous & subcutaneous routes.

PHOSPHORIC ACID
CAS#: 7664-38-2 **HR:** 3
TSCA, CRTKL, EPA GTP
TOXICITY: Specifics Not Available

METHYL ALCOHOL
CAS#: 67-56-1 **HR:** 3
TSCA, CRTKL, EPA GTP
TOXICITY: Human poison by ingestion; poison experimentally by skin contact; mildly toxic by inhalation; human systemic effects by ingestion and inhalation: optic nerve neuropathy, visual field changes, lacrimation, headache, cough,nausea or vomiting, and other respiratory effects; experimental teratogenic and reproductive effects; daily exposure may cause illness.

METHYL ETHYL KETONE
CAS#: 78-93-3 **HR:** 3
TSCA, CRTKL, EPA GTP
TOXICITY: Moderately toxic by ingestion and skin contact; Human systemic effects by inhalation: conjunctiva irritation and effects on the nose and respiratory system; affects peripheral an d central nervous system.

TOLUENE
CAS#: 108-88-3 **HR:** 3
TSCA, CRTKL, EPA GTP
TOXICITY: Moderately toxic by intravenous, subcutaneous, and possibly other routes; mildly toxic by inhalation; human systemic effects by inhalation: hallucinations or distorted perceptions; motor activity changes; psychophysiological test changes, bone marrow changes; experimental teratogenic and reproductive effects.

MOLYBDENUM DISULFIDE
CAS#: 1317-33-5 **HR:** 3
TSCA
TOXICITY: Highly toxic; symptoms of severe poisoning include severe gastrointestinal irritation with diarrhea, coma, and deaths from heart failure; inhalation of dust can cause "hard metal lung disease".

BISPHENOL A EPOXY RESIN
CAS#: 25036-25-3 **HR:** Not Available
TSCA, CRTKL
TOXICITY: Moderately toxic by ingestion, inhalation, and skin contact.

MIL-L-46010 Lubricant, Solid Film, Heat Cured, Corrosion Inhibiting **USE:** Dry Lubrication **TYPE:** Adhesively Bonded Coating	
EXPOSURE: **EYES:** may cause corneal injury **SKIN:** moderately irritating; prolonged contact may result in dermatitis **INHALATION:** may irritate; presence of solvents may cause central nervous system depression **INGESTION:** moderately toxic; may cause kidney & liver damage	HANDLING: **PROTECTIVE EQUIPMENT:** goggles, protective gloves, combination dust & vapor respirator, synthetic protective apparel; ventilation required when applying lubricant **HYGIENE:** wash exposed skin with soap & water; discard contaminated apparel
FIRE HAZARD: **FLASH POINT:** 44°C (111°F) **EXTINGUISHANTS:** CO_2, Dry Chemical, Foam, Water fog **HAZARDOUS DECOMPOSITION:** carbon monoxide, toxic fumes of lead oxides **SPECIAL HAZARDS:** vapors may accumulate & travel to ignition sources distant from handling site;	**STORAGE:** **INCOMPATIBILITIES:** oxidizing agents, strong acids, aldehydes **OTHER:** Avoid sources of ignition; do not store near cutting, drilling, grinding, or welding applications.
SPILLS: absorb with inert material; scoop into closed container	**DISPOSAL:** Classified as Characteristically Hazardous under 40 CFR 261.24 (toxicity - lead); RCRA Hazardous Waste; Dispose of in accordance with RCRA, state and local regulations.

MIL-L-46147 Lubricant, Solid Film, Air Cured, Corrosion Inhibiting
USE: Dry Lubrication **TYPE:** Adhesively Bonded Coating

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

DIBASIC LEAD PHOSPHITE
CAS#: 12141-20-7 HR: Not Available
TSCA, SARA 313, IARC: Yes, NTP: No
TOXICITY: Specifics Not Available

ANTIMONY TRIOXIDE
CAS#: 1309-64-4 HR: 3
TSCA, CRTKL, SARA 313, IARC: Yes (Human Indefinite), NTP: No
TOXICITY: Suspected Human Carcinogen; poison by intravenous & subcutaneous routes experimental reproductive effects; emits toxic antimony fumes when heated to decomposition.

PHOSPHORIC ACID
CAS#: 7664-38-2 HR: 3
TSCA, CRTKL, EPA GTP
TOXICITY: Human poison by an unspecified route; Moderately toxic by ingestion and skin contact; emits toxic phosphorous oxide fumes if heated to decomposition.

METHYL ALCOHOL
CAS#: 67-56-1 HR: 3
TSCA, CRTKL, EPA GTP
TOXICITY: Human poison by ingestion; poison experimentally by skin contact; mildly toxic by inhalation; human systemic effects by ingestion and inhalation: optic never neuropathy, visual field changes, lacrimation, headache, cough,nausea or vomiting, and other respiratory effects; experimental teratogenic and reproductive effects; daily exposure may cause illness.

METHYL ETHYL KETONE
CAS#: 78-93-3 HR: 3
TSCA, CRTKL, EPA GTP
TOXICITY: Moderately toxic by ingestion and skin contact; Human systemic effects by inhalation: conjunctiva irritation and effects on the nose and respiratory system; affects peripheral and central nervous system.

TOLUENE
CAS#: 108-88-3 HR: 3
TSCA, CRTKL, EPA GTP
TOXICITY: Moderately toxic by intravenous, subcutaneous, and possibly other routes; mildly toxic by inhalation; human systemic effects by inhalation: hallucinations or distorted perceptions; motor activity changes; psychophysiological test changes, bone marrow changes; experimental teratogenic and reproductive effects.

MOLYBDENUM DISULFIDE
CAS#: 1317-33-5 HR: 3
TSCA
TOXICITY: Highly toxic; symptoms of severe poisoning include sever gastrointestinal irritation with diarrhea, coma, and deaths from heart failure; inhalation of dust can cause "hard metal lung disease".

BISPHENOL A EPOXY RESIN
CAS#: 25036-25-3 HR: Not Available
TSCA, CRTKL
TOXICITY: Moderately toxic by ingestion, inhalation, and skin contact.

MIL-L-46147 Lubricant, Solid Film, Air Cured, Corrosion Inhibiting **USE:** Dry Lubrication **TYPE:** Adhesively Bonded Coating	
EXPOSURE: **EYES:** may cause corneal injury **SKIN:** moderately irritating; prolonged contact may result in dermatitis **INHALATION:** may irritate; presence of solvents may cause central nervous system depression **INGESTION:** moderately toxic; may cause kidney & liver damage	HANDLING: **PROTECTIVE EQUIPMENT:** goggles, protective gloves, combination dust & vapor respirator, protective clothing/apparel; ventilation required when applying lubricant **HYGIENE:** wash exposed skin with soap & water; discard contaminated apparel
FIRE HAZARD: **FLASH POINT:** 44°C (111°F) **EXTINGUISHANTS:** Water fog, Dry Chemical, Foam, CO_2 **HAZARDOUS DECOMPOSITION:** carbon monoxide, toxic fumes of lead oxides **SPECIAL HAZARDS:** vapors may accumulate & travel to ignition sources distant from handling site; keep containers closed when not in use	**STORAGE:** **INCOMPATIBILITIES:** oxidizing agents, strong acids, aldehydes **OTHER:** Avoid sources of ignition; do not store near cutting, drilling, grinding, or welding applications.
SPILLS: absorb with inert material; scoop into closed container	**DISPOSAL:** Classified as Characteristically Hazardous under 40 CFR 261..24 (Toxicity - lead); RCRA Hazardous Waste; dispose of in accordance with RCRA, state, and local regulations

MIL-L-46150 Lubricant, Weapons, Semi-Fluid (High Load Carrying Capacity) **USE:** 7.62 mm Machine Gun **TYPE:** Synthetic with Teflon	
HAZARDOUS COMPONENTS THAT MAY BE PRESENT: No Hazardous Ingredients Identified By Manufacturers	
EXPOSURE: **EYES:** may cause slight irritation **SKIN:** may cause slight irritation **INHALATION:** Not Available **INGESTION:** Not Available	**HANDLING:** **PROTECTIVE EQUIPMENT:** safety glasses/goggles, protective gloves, protective apparel/clothing **HYGIENE:** wipe exposed skin or use waterless hand cleaner; launder soaked clothing before reuse
FIRE HAZARD: **FLASH POINT:** 260°C (500°F) **EXTINGUISHANTS:** Water Fog, Foam, Dry Chemical CO_2 **HAZARDOUS DECOMPOSITION:** carbon monoxide, asphyxiants **SPECIAL HAZARDS:** None	**STORAGE:** **INCOMPATIBILITIES:** strong oxidizing agents **OTHER:** Store in cool, dry, well ventilated area; keep containers tightly closed when not in use.
SPILLS: scrape up or use inert absorbent; scoop into closed container	**DISPOSAL:** Product is considered solid waste and may be disposed of in approved sanitary landfill in accordance with local, state, and Federal regulations.

MIL-A-46153 **Antifreeze, Ethylene-Glycol, Inhibited, Heavy Duty**
USE: IC Engine Cooling Systems **TYPE:** Concentrate Mixture, Water Required

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Ethylene Glycol
CAS#: 107-21-1 **HR:** 3
TSCA, CRTKL, EPA GTP
TOXICITY: Human poison by ingestion. Human systemic effects by ingestion and inhalation: eye lacrimation, headache, cough, respiratory stimulation, nausea or vomiting, pulmonary, liver, and kidney changes.

EXPOSURE:
EYES: may cause irritation
SKIN: mildly irritating
INHALATION: may cause drowsiness, narcosis & unconsciousness upon exposure to high concentrations in confined spaces
INGESTION: may cause liver & kidney damage; may harm fetus

HANDLING:
PROTECTIVE EQUIPMENT: goggles or face shield, protective gloves, apron or protective apparel/clothing

HYGIENE: flush exposed skin with copious water; launder clothing before reuse

FIRE HAZARD:
FLASH POINT: 118°C (245°F)
EXTINGUISHANTS: Foam, Dry Chemical, CO_2
HAZARDOUS DECOMPOSITION: carbon monoxide, dioxide
SPECIAL HAZARDS: water spray may be ineffective; use fog nozzles

STORAGE:
INCOMPATIBILITIES: oxidizing agents

OTHER: Keep containers closed when not in use.

SPILLS: Small Spills: absorb with inert material; scoop mixture into closed container; flush area with water

Large Spill: dike and contain; prevent fluid from entering sewers and drains; pump into disposal containers; absorb residue with inert material and scoop into closed container; flush area with water

DISPOSAL: This item is not to be incinerated or buried in a sanitary landfill. Antifreeze/water mixtures shall be disposed of in accordance with HSAHB-ME-SH, Technical Guide No. 126, Disposal Method B007 (see Appendix E)

MIL-F-46162 Fuel, Oil, Diesel, Referee Grade
USE: Testing diesel & turbine engines **TYPE:** Petroleum Distillate Fuel

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Aliphatic Petroleum Distillate
CAS#: 68476-30-2 **HR:** Not Available
TOXICITY: Specifics Not Available
Petroleum Mid-Distillate
CAS#: 86476-34-6 **HR:** Not Available
TOXICITY: Specifics Not Available

EXPOSURE:
EYES: may cause irritation
SKIN: causes irritation; may cause allergic reaction on prolonged or repeated contact or dermatitis
INHALATION: excessive breathing of vapor may cause nasal and respiratory irritation; may cause headache, dizziness, drowsiness, and unconsciousness
INGESTION: may be harmful especially if aspirated into lungs

HANDLING:
PROTECTIVE EQUIPMENT: splash goggles or face shield, protective gloves, protective apron or clothing

HYGIENE: remove product from skin with waterless hand cleaners followed by thorough washing with soap and water; launder soaked clothing before reuse; discard soaked leather shoes, belts, etc

FIRE HAZARD:
FLASH POINT: 52°C (125°F) - Type I, 38°C (100°F) - Type II
EXTINGUISHANTS: Water Fog, Dry Chemical
HAZARDOUS DECOMPOSITION: carbon monoxide, aldehydes
SPECIAL HAZARDS: vapors may travel to remote ignition sources and explode

STORAGE:
INCOMPATIBILITIES: strong oxidizing agents (liquid chlorine, concentrated oxygen, sodium hypochlorite calcium hypochlorite)

OTHER: Avoid ignition sources, heat, sparks, static electricity, open flames.

SPILLS: Small Spills: absorb with inert material; scoop mixture into closed container

Large Spills: dike and contain; keep from sewers and watercourses; recover free product by pumping to salvage drums; absorb residue with inert material; scoop mixture into closed container

DISPOSAL: Due to a Flash Point below 60°C (140°F) for both Types I & II, this product is considered a Characteristically Hazardous Waste (Ignitability) and has the EPA Hazardous Waste Number D001. Incineration is recommended as a disposal method, but disposal must also be in compliance with state and local regulation.

MIL-L-46167 Lubricating Oil, I-C Engine, Arctic
USE: Same as MIL-L-2104 except arctic temperatures **TYPE:** Synthetic Hydrocarbon

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

PROPRIETARY COMPONENTS
CAS#: Not Available **HR:** Not Available
TOXICITY: Specifics Not Available

EXPOSURE: **EYES:** None **SKIN:** irritation may be caused by prolonged or repeated contact **INHALATION:** irritant; lung and nasal tissue damage may occur **INGESTION:** Not Available	**HANDLING:** **PROTECTIVE EQUIPMENT:** safety glasses, protective gloves **HYGIENE:** wash with soap and water; launder soaked clothing before reuse
FIRE HAZARD: **FLASH POINT:**230°C (445°F) **EXTINGUISHANTS:** Water spray, Dry Chemical, Foam, CO_2 **HAZARDOUS DECOMPOSITION:** oxides of carbon, sulfur, nitrogen, and phosphorus **SPECIAL HAZARDS:** residue may ignite with explosive violence if heated sufficiently	**STORAGE:** **INCOMPATIBILITIES:** None **OTHER:** Do not weld, heat,or drill container; do not use pressure to empty container or explosion may result.
SPILLS: Small Spill: absorb with inert material; scoop mixture into closed container. Large Spill: dike and contain; transfer bulk to salvage containers or use vacuum truck; absorb residue with inert material and place mixture into closed container	**DISPOSAL:** This product is classified as a solid waste. Dispose of in accordance with HSHB-ME-SH, Technical Guide No. 126, Disposal Method RM03 (see Appendix E). Container considered hazardous when empty due to residue which may explode violently if heated sufficiently.

MIL-H-46170 **Hydraulic Fluid, Rust Inhibited, Fire Resistant, Synthetic Hydrocarbon**

USE: Hydraulic Systems, Gun Recoil Systems **TYPE:** Synthetic Base

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Barium Dinonylnaphthalene Sulfonate
CAS#: 25619-56-1 **HR:** Not Available
TSCA, SARA 313
TOXICITY: Specifics Not Available

2-Butoxyethanol Phosphate
CAS#: 78-51-3 **HR:** 3
TSCA
TOXICITY: Moderately toxic by ingestion. Poisonous by intravenous route. When heated to decomposition, emits toxic fumes of phosphorous oxide.

Triphenyl Phosphate
CAS#: 115-86-6 **HR:** 3
TSCA
TOXICITY: Poison by subcutaneous route; moderately toxic by ingestion; absorbed slowly particularly by skin contact.

Tritolyl Phosphate
CAS#: 1330-78-5 **HR:** 3
TSCA
TOXICITY: Poison by ingestion; moderately toxic by skin contact; experimental reproductive effects.

Synthetic Aliphatic Hydrocarbon
CAS#: 68649-12-7 **HR:** Not Available
TSCA
TOXICITY: Specifics Not Available

EXPOSURE:
EYES: irritating to eyes
SKIN: prolonged or repeated contact may cause skin disorders such as dermatitis, folliculitis, or oil acne
INHALATION: mildly irritating to nose, throat, and respiratory tract
INGESTION: ingestion may result in vomiting; danger of aspiration pneumonia

HANDLING:
PROTECTIVE EQUIPMENT: goggles, protective gloves, protective clothing/apparel, NIOSH approved respirator to prevent overexposure
HYGIENE: flush skin with water followed by cleansing with soap and water; launder soaked clothing before reuse

FIRE HAZARD:
FLASH POINT: 430°F
EXTINGUISHANTS: Water fog, Foam, Dry Chemical, CO_2
HAZARDOUS DECOMPOSITION: carbon monoxide, other unidentified organic compounds
SPECIAL HAZARDS: None - material will not burn unless preheated

STORAGE:
INCOMPATIBILITIES: strong oxidizing agents
OTHER: Store in cool, dry, well ventillated area. Keep containers tightly sealed when not in use to prevent particulate contamination.

SPILLS: Small Spill: absorb with inert material; scoop mixture into closed container Large Spill: dike and contain; remove bulk with vacuum truck or pump into salvage container; absorb residue with inert material (this product is considered an oil under Section 311, Clean Water Act and spills into water sources causing a surface sheen must be reported)	**DISPOSAL:** This product is not classified as hazardous unless extraction results for Barium content exceed EPA maximum limit (40 CFR 261.24, Toxicity Characteristic). If Barium limit is exceeded, dispose of product as EPA Hazardous Waste Number D005. If product not hazardous, dispose of in accordance with HSHB-ME-SH, Technical Guide No. 126, Disposal Method RM09 (see Appendix E). Disposal of hazardous waste subject to state and local regulations.

MIL-B-46176 Brake Fluid, Silicone, Preservative & Operational
USE: Brake systems **TYPE:** Silicone Base

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Trimethyl Chlorosilane
CAS#: 75-77-4 **HR:** 3
TSCA
TOXICITY: Poison by inhalation. Human systemic effects by inhalation: sensory changes involving peripheral nerves, structural or functional change in trachea or bronchi.

Bis(2-Ethylhexyl)sebacate
CAS#: 122-62-3 **HR:** 2
TSCA
TOXICITY: Moderately toxic by ingestion.

Tributyl Phosphate
CAS#: 126-73-8 **HR:** 3
TSCA
TOXICITY: Moderately toxic by inhalation, ingestion, and subcutaneous routes. Poison by intravenous route.

EXPOSURE: **EYES:** May irritate with possible slight corneal injury. **SKIN:** Prolonged repeated exposure may cause slight irritation. **INHALATION:** Slight irritation to respiratory tract. **INGESTION:** Not Available	**HANDLING:** **PROTECTIVE EQUIPMENT:** goggles, protective gloves, protective apparel/clothing **HYGIENE:** wipe fluid off of exposed skin then flush with water; launder soaked clothing before reuse
FIRE HAZARD: **FLASH POINT:** 100°C (212°F) **EXTINGUISHANTS:** Water Fog, Dry Chemical, Foam, CO_2 **HAZARDOUS DECOMPOSITION:** silicone dioxide **SPECIAL HAZARDS:** None	**STORAGE:** **INCOMPATIBILITIES:** oxidizing agents **OTHER:** None

SPILLS: Small Spill: absorb with inert material; scoop mixture into closed container; clean area with EPA compliant solvent (naphtha followed by acetone) Large Spill: contain and collect for salvage or disposal; absorb residue with inert material and discard into closed container	**DISPOSAL:** Dispose of in accordance with HSHB-ME-SH, Technical Guide No. 126, Disposal Method RM03 (see Appendix E).

MIL-C-51047 Compound, Antiseepage, Cooling System, Engine USE: Leak Preventative TYPE: Powder	
HAZARDOUS COMPONENTS THAT MAY BE PRESENT: No Hazardous Ingredients Identified by Product Manufacturers	
EXPOSURE: **EYES:** may cause eye irritation **SKIN:** Not Available **INHALATION:** will cause irritation of nasal membranes **INGESTION:** Not Available	**HANDLING:** **PROTECTIVE EQUIPMENT:** none required **HYGIENE:** wipe powder off; wash exposed skin with soap and water
FIRE HAZARD: **FLASH POINT:** Not Applicable **EXTINGUISHANTS:** Water, CO_2, Chemical powder **HAZARDOUS DECOMPOSITION:** None **SPECIAL HAZARDS:** None	**STORAGE:** **INCOMPATIBILITIES:** None **OTHER:** Store in cool, dry area.
SPILLS: Sweep up and discard as any regular vegetable fiber waste.	**DISPOSAL:** Product is non-hazardous and biodegradable and may be disposed of in approved sanitary landfill, subject to local, state, and Federal regulations.

MIL-A-53009 Additive, Antifreeze Extender, Liquid Cooling Systems
USE: Add to antifreeze to extend service **TYPE:** Inorganic Chemicals

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Sodium Borate Decahydrate
CAS#: 1303-96-4 **HR:** 3
TSCA
TOXICITY: Experimental poison by subcutaneous route. Moderately toxic to humans by ingestion. Experimental reproductive effects. Mutation data reported. Ingestion by children of 5-10 grams can cause severe vomiting, diarrhea, shock, death.

Sodium Hydroxide
CAS#: 1310-73-2 **HR:** 3
TSCA, EPA GTP, SARA III
TOXICITY: Moderately toxic by ingestion. Mutation data reported. A corrosive irritant to skin, eyes, and mucous membranes. Ingestion can cause perforation and scarring. Inhalation can cause damage to upper respiratory tract and lung tissue. Sodium hydroxide is a very strong base.

Sodium Mercaptobenzothiazole
CAS#: 2492-26-4 **HR:** 2
TSCA
TOXICITY: Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes of Nitrogen, sulfur, and Sodium Oxides.

EXPOSURE:
EYES: may cause redness, irritation, burns
SKIN: may cause redness, irritation, burns
INHALATION: may cause irritation and burns to upper respiratory system, coughing, and shortness of breath
INGESTION: may cause nausea, vomiting, gastrointestinal irritation

HANDLING:
PROTECTIVE EQUIPMENT: goggles or face shield, neoprene gloves, apron or protective apparel/clothing

HYGIENE: wash exposed skin thoroughly; launder contaminated clothing before ruse; discard contaminated shoes

FIRE HAZARD:
FLASH POINT: None
EXTINGUISHANTS: Water Fog, Dry Chemical, Foam, CO_2
HAZARDOUS DECOMPOSITION: None
SPECIAL HAZARDS: None

STORAGE:
INCOMPATIBILITIES: strong acids, strong oxidizers

OTHER: None

SPILLS: Small Spill: neutralize with muriatic or acetic acid; absorb with inert material; scoop mixture into closed container; flush area with water

Large Spill: dike and contain; pick up by vacuum and transfer to storage vessel; neutralize then absorb residue with inert material and scoop into closed container; flush area with water

DISPOSAL: This item is not to be incinerated or buried in a sanitary landfill. Antifreeze/water mixtures shall be disposed of in accordance with HSAHB-ME-SH, Technical Guide No. 126, Disposal Method B007 (see Appendix E)

MIL-S-53021 Stabilizer Additive, Diesel Fuel
USE: Bulk & Intermediate Storage Tanks **TYPE:** Biocide, Multifunctional Additive

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

4-(2-Nitrobutyl)morpholine
CAS#: 2224-44-4 **HR:** Not Available
TOXICITY: Specifics Not Available
4,4-(2-Ethyl-2-nitromethylene)
CAS#: 1854-23-5 **HR:** Not Available
TOXICITY: Specifics Not Available
1-Nitropropane
CAS#: 108-03-2 **HR:** 3
TSCA
TOXICITY: Poison by ingestion. Mildly toxic by inhalation. Human eye irritant.

EXPOSURE:
EYES: may cause severe damage to eye
SKIN: may cause severe damage to skin; harmful if absorbed through skin
INHALATION: Not Available
INGESTION: harmful or fatal if swallowed

HANDLING:
PROTECTIVE EQUIPMENT: goggles or face shield, rubber gloves, apron or protective apparel/clothing.

HYGIENE: wash exposed skin thoroughly; launder contaminated clothing before reuse; discard contaminated shoes

FIRE HAZARD:
FLASH POINT: >93°C (>200°F)
EXTINGUISHANTS: Water Spray, CO_2
HAZARDOUS DECOMPOSITION: oxides of nitrogen and carbon.
SPECIAL HAZARDS: None

STORAGE:
INCOMPATIBILITIES: acids

OTHER: None

SPILLS: Small Spill: absorb with sand; scoop mixture into closed container

Large Spill: contain spill; pump into salvage drums; absorb residue with sand and scoop into closed container; flush area with water

DISPOSAL: This material may be disposed of by burial in approved sanitary landfill.

MIL-L-53074 Lubricating Oil, Steam Cylinder, Mineral
USE: Steam Cylinder Applications **TYPE:** Petroleum Base

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Residual Oils, Hydrotreated
CAS#: 64742-57-0 **HR:** Not Available
TOXICITY: Specifics Not Available
Solvent, Dewaxed Residual Oil
CAS#: 64742-62-7 **HR:** Not Available
TOXICITY: Specifics Not Available

EXPOSURE:
EYES: contact may result in irritation and redness, if condition persists, consult physician
SKIN: prolonged and repeated contact can defat the skin resulting in dryness, dermatitis, and cracking
INHALATION: dizziness and nausea can occur
INGESTION: may result in stomach discomfort and nausea

HANDLING:
PROTECTIVE EQUIPMENT: safety glasses or face shield, protective gloves, protective apparel as needed to prevent skin contact

HYGIENE: wash exposed skin with soap and water; launder soaked clothing before reuse; discard leather belt, shoes, etc

FIRE HAZARD:
FLASH POINT: 427°C (800°F)
EXTINGUISHANTS: Water Fog, Foam, Dry Chemical, CO_2
HAZARDOUS DECOMPOSITION: oxides of carbon and sulfur, aldehydes
SPECIAL HAZARDS: None

STORAGE:
INCOMPATIBILITIES: strong oxidizing agents

OTHER: Store in cool, dry, well ventilated area; keep containers tightly closed when not in use.

SPILLS: Small Spill: absorb with inert material; scoop mixture into closed container

Large Spill: contain by diking; recover free oil by pumping to salvage vessel; absorb residue with inert material and scoop mixture into closed container

DISPOSAL: Dispose of via enclosed-controlled incineration unless directed otherwise by applicable, local ordinances

MIL-H-53119 Hydraulic Fluid, Nonflammable, Chlorotrifluoroethylene Base
USE: Armor Hydraulic Systems **TYPE:** Synthetic

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Zinc Dinonylnaphthalene Sulfonate
CAS#: Not Available **HR:** Not Available
TOXICITY: Specifics Not Available
Chlorotrifluoroethylene
CAS#: Not Available **HR:** Not Available
TOXICITY: Specifics Not Available

EXPOSURE:
EYES: Not Available
SKIN: None
INHALATION: None
INGESTION: Not Available

HANDLING:
PROTECTIVE EQUIPMENT: goggles or face shield, protective gloves, protective apparel/clothing

HYGIENE: wash exposed skin with soap and water; launder soaked clothing before reuse

FIRE HAZARD:
FLASH POINT: None
EXTINGUISHANTS: Not Applicable
HAZARDOUS DECOMPOSITION: None
SPECIAL HAZARDS: None

STORAGE:
INCOMPATIBILITIES: Can react with metals such as sodium and potassium. Avoid amines, liquid fluorine, and liquid chlorine trifluoride.

OTHER: Store in cool, well ventilated area.

SPILLS: absorb with vermiculite or other inert material; scoop mixture into closed container

DISPOSAL: Dispose as solid waste (this material is not considered hazardous). Do not mix with used engine or hydraulic oil for disposal.

MIL-L-53131 **Lubricating Oil, Precision Roller Element Bearing, Polyalphaolefin Base**

USE: Precision Bearing Lubrication **TYPE:** Synthetic Hydrocarbon Base

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Tricresyl Phosphate

CAS#: 1330-78-5 **HR:** 3

TSCA

TOXICITY: Poison by ingestion. Moderately toxic by skin contact. Experimental reproductive effects. Can produce paralysis if ingested.

EXPOSURE:

EYES: may cause irritation

SKIN: may cause irritation; can be absorbed through the skin leading to nausea, diarrhea, and abdominal pain

INHALATION: can be inhaled at high temperatures only causing neausea, diarrhea, etc

INGESTION: can cause nausea, abdominal pain, soreness of lower legs and numbness of toes; paralysis can result if ingested in large quantities

HANDLING:

PROTECTIVE EQUIPMENT: safety glasses, protective gloves required, protective apparel/clothing

HYGIENE: wash exposed skin thoroughly with soap and water; remove soaked clothing immediately and launder before reuse; discard soaked leather belts, shoes, etc; avoid contamination of cigarettes with this product

FIRE HAZARD:

FLASH POINT: 227°C (440°F)

EXTINGUISHANTS: Foam, Dry Chemical, Water Spray, CO_2

HAZARDOUS DECOMPOSITION: carbon monoxide, oxides of phosphorus

SPECIAL HAZARDS: None

STORAGE:

INCOMPATIBILITIES: strong oxidizing agents

OTHER: None

SPILLS: Small Spill: absorb with sand or sawdust; scoop mixture into closed container; wash area with detergent and water

Large Spill: remove free liquid with vacuum truck or by pumping into salvage vessels; absorb resiude with sand or sawdust; scoop mixture into closed container; wash area with detergent and water

DISPOSAL: This product is not classified as hazardous unless extraction results for Cresol content exceed EPA maximum limit (40 CFR 261.24, Toxicity Characteristic). If Cresol limit is exceeded, dispose of product as EPA Hazardous Waste Number D026. If product not hazardous, dispose of in accordance with state and local regulations for waste oil.

MIL-L-63460 **Lubricant, Cleaner and Preservative for Weapons and Weapon Systems (Metric)**

USE: Automatic, Large, Small Calibre Weapons **TYPE:** Synthetic Base

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

1,1,1-Trichloroethane
CAS#: 71-55-6 **HR:** 3
SARA III, TSCA, CRTKL, EPA GTP
TOXICITY: Poison by intravenous route. Moderately toxic by ingestion, inhalation, skin contact, and subcutaneous route. Human systemic effects by ingestion and inhalation: conjunctiva irritation, hallucinations, motor activity changes, irritability, diarrhea, nausea, vomiting, other gastrointestinal changes. Experimental teratogenic and reproductive effects. Narcotic in high concentrations. Questionable carcinogen.

1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)
CAS#: 76-13-1 **HR:** 1
SARA III, TSCA, Regulated Ozone Depleting Substance
TOXICITY: Mildly toxic by ingestion and inhalation. Affects the central nervous system.

N-Butyl Acetate
CAS#: 123-86-4 **HR:** 2
SARA III, TSCA
TOXICITY: Mildly toxic by inhalation and ingestion. An experimental teratogen.

Isobutyl Acetate
CAS#: 110-19-0 **HR:** 3
TSCA
TOXICITY: Mildly toxic by inhalation and ingestion.

EXPOSURE:
EYES: slight irritation
SKIN: None
INHALATION: may cause light-headedness, anesthetic effect
INGESTION: Not Available

HANDLING:
PROTECTIVE EQUIPMENT: safety glasses, protective gloves

HYGIENE: wash exposed skin with soap and water; launder soaked clothing before reuse

FIRE HAZARD:
FLASH POINT: 93°C (200°F)
EXTINGUISHANTS: Dry Chemical, CO_2
HAZARDOUS DECOMPOSITION: fluorine, chlorine, hydrochloric acid, phosgene
SPECIAL HAZARDS: None

STORAGE:
INCOMPATIBILITIES: strong oxidizing agents

OTHER: Do not store near open flames, molding arcs. Store in cool, dry area.

SPILLS: Small Spill: absorb with inert material; scoop mixture into closed container; flush area with water

Large Spill: dike and contain; prevent fluid from entering waterways and sewers; pump into salvage vessel

DISPOSAL: Dispose of in accordance with HSHB-ME-SH, Technical Guide No. 126, Disposal Method RM03 (see Appendix E).

MIL-G-81322 Grease, Aircraft, General Purpose
USE: Plain, Wheel, Antifriction Bearings **TYPE:** Clay Thickened Grease Gear Box

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Synthetic Aliphatic Hydrocarbon
CAS#: 68037-01-4 **HR:** Not Available
TSCA
TOXICITY: Not Available

Bentonite
CAS#: 1302-78-9 **HR:** 1
TSCA
TOXICITY: Poison by intravenous route causing blood clotting. Questionable carcinogen with experimental tumorigenic data.

Acetone
CAS#: 67-64-1 **HR:** 2
TSCA, CRTKL, SARA III
TOXICITY: Moderately toxic by various routes. A skin and severe eye irritant. Human systemic effects by inhalation: changes in EEG, changes in carbohydrate metabolism, respiratory system effects, nausea, vomiting, and muscle weakness.

EXPOSURE:
EYES: may be mildly irritating
SKIN: prolonged contact may cause dermatitis
INHALATION: Not Available
INGESTION: may cause diarrhea, vomiting and, stomach upset

HANDLING:
PROTECTIVE EQUIPMENT: goggles, nitrile gloves

HYGIENE: wash exposed skin with soap and water; launder clothes before reuse

FIRE HAZARD:
FLASH POINT: 235°C (455°F)
EXTINGUISHANTS: Water Fog, Dry Chemical, CO_2
HAZARDOUS DECOMPOSITION: carbon monoxide, carbon dioxide
SPECIAL HAZARDS: direct stream of water can cause product to float; product can be reignited on surface of water

STORAGE:
INCOMPATIBILITIES: strong oxidizing agents

OTHER: Avoid high temperatures, sparks, open flame. Keep containers closed when not in use and stored in cool, dry, well ventilated area.

SPILLS: scoop up and contain; absorb residue with inert material; scoop mixture into closed container

DISPOSAL: Dispose of product in accordance with HSHB-ME-SH, Technical Guide No. 126, Disposal Method RM03 (see Appendix E).

MIL-T-83133 **Turbine Fuel, Aviation, Kerosene Types, NATO F-34 (JP-8) & NATO F-35**

USE: Turbine & Diesel Engines **TYPE:** Petroleum Distillate Fuel

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Kerosene

CAS#: 8008-20-6 **HR:** 3

TSCA

TOXICITY: Poison by intravenous and intratracheal routes. Moderately toxic to humans by unspecified route. Human systemic effects by ingestion: somnolence, hallucinations and distorted perceptions, coughing, nausea or vomiting, and fever.

EXPOSURE:

EYES: mild irritation

SKIN: drying, defatting with prolonged/repeated contact

INHALATION: will cause headache, nausea, confusion, drowsiness with prolonged inhalation; aspiration of liquid may cause chemical pneumonia

INGESTION: irritation, nausea, possible vomiting

HANDLING:

PROTECTIVE EQUIPMENT: safety glasses or splash goggles, protective gloves, protective clothing/apparel, NIOSH approved respirator if misting present

HYGIENE: wash with soap and water; launder soaked clothing before reuse

FIRE HAZARD:

FLASH POINT: 38°C (100°F)

EXTINGUISHANTS: Water fog, Foam, Dry Chemical, CO_2

HAZARDOUS DECOMPOSITION: acrid smoke & fumes

SPECIAL HAZARDS: when heated sufficiently, vapors may form explosive mixtures with air; saturated rags, etc may undergo spontaneous combustion; water may be ineffective as an extinguishant and may spread fire if used improperly

STORAGE:

INCOMPATIBILITIES: strong oxidizers

OTHER: Avoid heat and ignition sources. Fire exposed containers must be cooled with water to avoid rupture. Ground containers during transfer. Empty containers may contain residue which is explosive; do not cut, weld, etc.

SPILLS: Eliminate all ignition sources immediately!

Small Spill: absorb with inert material; scoop mixture into tightly closed container

Large Spill: dike and contain; recover liquid with vacuum truck or pump to salvage container; prevent leak from entering sewer, waterway etc.; report spill if appropriate

DISPOSAL: Due to a Flash Point below 60°C (140°F), this product is considered a Characteristically Hazardous Waste (Ignitability) and has the EPA Hazardous Waste Number D001. Incineration is recommended as a disposal method, but disposal must also be in compliance with state and local regulation.

MIL-I-85470 Fuel System Icing Inhibitor, High Flash
USE: Bulk & Intermediate Fuel Tanks **TYPE:** Glycol Ethers

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Diethylene Glycol Monomethyl Ether
CAS#: 111-77-3 **HR:** Not Available
SARA III
TOXICITY: Specifics Not Available

EXPOSURE:
EYES: may cause slight irritation and chemical conjunctivitis
SKIN: may cause slight irritation and redness
INHALATION: None
INGESTION: may cause slight rritation and nausea

HANDLING:
PROTECTIVE EQUIPMENT: safety glasses, protective gloves

HYGIENE: wash exposed skin with soap and water; launder soaked clothing before reuse

FIRE HAZARD:
FLASH POINT: 93°C (200°F)
EXTINGUISHANTS: Water Spray or Fog, Dry Chemical, Foam, CO_2
HAZARDOUS DECOMPOSITION: carbon monoxide, dioxide
SPECIAL HAZARDS: None

STORAGE:
INCOMPATIBILITIES: caustics at elevated temperatures

OTHER: None

SPILLS: Small Spill: absorb with inert material; scoop mixture into closed container

Large Spill: dike and contain; do not allow product to enter drains, sewers, or waterways; use vacuum truck or pump into salvage vessels; absorb residue with inert material and scoop mixture into closed container

DISPOSAL: While this product does not contain listed hazardous components or is not characteristically hazardous under RCRA, it may be considered hazardous waste in some state and local areas. Check with local authorities for guidance on proper disposal of this product.

VV-G-632 Grease, Industrial, General Purpose
USE: Bearings, Splines, Bushings **TYPE:** Petroelum Base

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Hydrotreated Heavy Naphthenic Distillate
CAS#: 64742-52-5 **HR:** Not Available
TSCA
TOXICITY: Specifics Not Available

EXPOSURE: **EYES:** may cause eye irritation **SKIN:** prolonged or repeated contact may cause irritation and loss of skin oils **INHALATION:** Not Available. **INGESTION:** may cause diarrhea, vomiting, and stomach upset	**HANDLING:** **PROTECTIVE EQUIPMENT:** safety glasses, nitrile gloves, oil resistant apron **HYGIENE:** wash exposed skin with soap and water; launder soiled clothing before reuse
FIRE HAZARD: **FLASH POINT:** 199‡C (390°F) **EXTINGUISHANTS:** Water fog, Foam, Dry Chemical, CO_2 **HAZARDOUS DECOMPOSITION:** oxides of carbon **SPECIAL HAZARDS:** heat of fire may produce hazardous vapors and combustion products	**STORAGE:** **INCOMPATIBILITIES:** strong oxidizing agents **OTHER:** Keep container tightly closed and stored in a cool/dry place.
SPILLS: scrape up spilled grease; wash remainder with suitable EPA compliant solvent; absorb with inert material and place in closed container; wash area with soap and water	**DISPOSAL:** Not considered hazardous waste. May be incinerated.

VV-G-671 Grease, Graphite
USE: Bearings, Splines, Bushings **TYPE:** Petroleum Base w/ Graphite

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Hydrotreated Heavy Naphthenic Distillate
CAS#: 64742-52-5 **HR:** Not Available
TSCA
TOXICITY: Specifics Not Available

EXPOSURE:
EYES: irritation on contact
SKIN: may cause defatting, irritation
INHALATION: causes irritation of mucous membranes
INGESTION: may cause diarrhea, vomiting, and stomach upset

HANDLING:
PROTECTIVE EQUIPMENT: safety glasses, nitrile gloves, oil resistant apron

HYGIENE: wash exposed skin with soap and water; launder soiled clothes before reuse

FIRE HAZARD:
FLASH POINT: 216°C (420°F)
EXTINGUISHANTS: Water Fog, Foam, Dry Chemical, CO_2
HAZARDOUS DECOMPOSITION: carbon monoxide, carbon dioxide
SPECIAL HAZARDS: None

STORAGE:
INCOMPATIBILITIES: strong oxidizing agents

OTHER: Keep container closed and store in cool/dry area.

SPILLS: recover free product; absorb residue with inert material such as clay; scoop mixture into closed container

DISPOSAL: Not considered hazardous waste. May be incinerated.

P-D-680 Dry Cleaning and Degreasing Solvent
USE: Degreasing and dry cleaning. **TYPE:** Petroleum distillate solvent

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Aliphatic Petroleum Distillates
CAS: 64742-89-8 **HR:** 3
TOXICITY: Specifics Not Available

Note: Type I and Type II are slightly more toxic than Type III.

EXPOSURE:
EYES: may cause irritation
SKIN: may cause irritation, drying and cracking
INHALATION: may cause irritation of nose, throat, and signs of depression
INGESTION: may cause irritation of digestive tract and signs of depression

HANDLING:
PROTECTIVE EQUIPMENT: air purifying respirator with organic vapor cartridges, safety goggles, protective gloves, protective apparel/clothing

HYGIENE: wash exposed skin with soap and water; launder soaked clothing before reuse

FIRE HAZARD:
FLASH POINT: Type I - 38°C (100°F), Type II - 60°C (140°F), Type III - 93°C (200°F)
EXTINGUISHANTS: Dry Chemical, Foam, Water Spray, CO_2
HAZARDOUS DECOMPOSITION: carbon monoxide, carbon dioxide, other hydrocarbon compounds
SPECIAL HAZARDS: vapor may travel long distance to a source of ignition, ignite and flash back or explode; vapors are heavier than air and may collect in low areas

STORAGE:
INCOMPATIBILITIES: strong acids and bases, oxidizing agents and amines

OTHER: Avoid high heat, open flame or other ignition sources. Empty containers may contain explosive vapors. Do not cut, drill, grind, or weld on or near containers. Static electricity may create fire hazard. Ground containers, fixed and transfer equipment.

SPILLS: Eliminate all sources of ignition immediately!

wear appropriate respirator and protective clothing; stop source of leak; dike and contain; vacuum or pump to salvage vessel; absorb residue with inert material; scoop mixture into closed container

DISPOSAL: Type I is a characteristically hazardous waste (flash point below 60°C) and must be disposed of in accordance with RCRA regulations (EPA Hazardous Waste Number D001). Dispose of Type I and II in accordance with HSHB-ME-SH, Technical Guide No. 126, Method HW01 (see Appendix E). Type III is not considered hazardous waste and may be disposed of in accordance with HSHB-ME-SH, Technical Guide No. 126, Method A001 (see Appendix E).

VV-F-800 Fuel Oil, Diesel
USE: Ground Diesel & Turbine Engines **TYPE:** Petroleum Distillate Fuel

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Petroleum Mid-Distillate
CAS#: 68476-34-6 **HR:** Not Available
TOXICITY: Specifics Not Available

EXPOSURE:
EYES: irritant
SKIN: mild irritant; possible dermatitis with prolonged contact
INHALATION: irritant; may cause nausea, dizziness, headache; aspiration of liquid may cause chemical pneumonia
INGESTION: irritant; may cause nausea, vomiting

HANDLING:
PROTECTIVE EQUIPMENT: safety glasses or splash goggles, protective gloves, protective clothing/apparel

HYGIENE: wash with soap and water; launder soaked clothing before reuse

FIRE HAZARD:
FLASH POINT: 52°C (125°F)
EXTINGUISHANTS: Water fog, Dry Chemical, Foam, CO_2
HAZARDOUS DECOMPOSITION: CO, Asphyxiants
SPECIAL HAZARDS: Vapors heavier than air may travel along surfaces then "flash back" from distant source of ignition; water stream may cause frothing

STORAGE:
INCOMPATIBILITIES: Strong Oxidizing Agents

OTHER: Avoid heat, source of ignition; empty containers may contain residue, do not cut, weld, etc

SPILLS: **Eliminate all sources of ignition immediately!**

Small Spill: absorb with clay or vermiculite; scoop mixture into closed container

Large Spill: dike and contain; recover liquid for reclamation; absorb remainder for disposal

DISPOSAL: Due to a Flash Point below 60°C (140°F), this product is considered a Characteristically Hazardous Waste (Ignitability) and has the EPA Hazardous Waste Number D001. Incineration is recommended as a disposal method, but disposal must also be in compliance with state and local regulation.

VV-L-800 Lubricating Oil, General Purpose Preservative
USE: Preservative, Weapon Systems **TYPE:** Petroleum Base Oil

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Polypropylene Glycol
CAS#: 25322-69-4 **HR:** 3
TSCA
TOXICITY: Moderately toxic by ingestion; adverse effects when inhaled.

Butylated Hydroxy Toluene
CAS#: 128-37-0 **HR:** 2
TSCA, EPA GTP **IARC:** Animal, limited evidence
TOXICITY: Moderately toxic by ingestion; experimental reproductive effects; skin and eye irritant; questionable carcinogen.

Methyl-1H-Benzotriazole
CAS#: 29385-43-1 **HR:** 2
TSCA
TOXICITY: Moderately toxic by ingestion; decomposition emits toxic fumes of nitrogen oxides.

n-HEXYL-CARBITOL
CAS#: 112-59-4 **HR:** 2
TSCA, CRTKL
TOXICITY: Moderately toxic by skin contact. Mildly toxic by ingestion.

BARIUM DINONYLNAPHTHALENE SULFONATE
CAS#: 25619-56-1 **HR:** 3
SARA 313
TOXICITY: Specifics Not Available

EXPOSURE:
EYES: moderately irritating
SKIN: mildly irritating; prolonged contact may cause dermatitis
INHALATION: inhalation of vapors generated at high temperatures may irritate respiratory tract
INGESTION: Not Available

HANDLING:
PROTECTIVE EQUIPMENT: goggles, protective gloves, chemically resistant boots

HYGIENE: wash exposed skin with soap & water; launder soaked clothing before reuse; discard leather apparel if exposed to oil

FIRE HAZARD:
FLASH POINT: +100°C
EXTINGUISHANTS: CO_2, Dry Chemical, Foam, Water fog
HAZARDOUS DECOMPOSITION: carbon monoxide, asphyxiants
SPECIAL HAZARDS:

STORAGE:
INCOMPATIBILITIES: None

OTHER: Do not store near source of ignition.

SPILLS: absorb with inert material; scoop mixture into closed container

DISPOSAL: This product is not classified as hazardous unless extraction results for Barium content exceed EPA maximum limit (40 CFR 261.24, Toxicity Characteristic). If Barium limit is exceeded, dispose of product as EPA Hazardous Waste Number D005. If product not hazardous, dispose of in accordance with HSHB-ME-SH, Technical Guide No. 126, Disposal Method RM09 (see Appendix E). Disposal of hazardous waste subject to state and local regulations.

A-A-52036 Lubricating Oil, Heavy Duty Diesel Engine
USE: Engine Systems Only **TYPE:** Petroleum Base

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Distillates (Petroleum), Hydrotreated, Heavy Paraffinic
CAS#: 64742-54-7 **HR:** Not Available
TSCA
TOXICITY: Specifics Not Available

Distillates (Petroleum), Solvent Dewaxed, Heavy Paraffinic
CAS#: 64742-65-0 **HR:** Not Available
TSCA
TOXICITY: Specifics Not Available

Zinc Dialkyldithiophosphate
CAS#: 68649-42-3 **HR:** Not Available
SARA III
TOXICITY: Specifics Not Available

EXPOSURE:
EYES: None
SKIN: None
INHALATION: Not Available
INGESTION: Not Available

HANDLING:
PROTECTIVE EQUIPMENT: Safety glasses (gloves and protective clothing are optional - no special protection is required)

HYGIENE: wash exposed skin with soap and water; launder soaked clothing before reuse

FIRE HAZARD:
FLASH POINT: 215°C (419°F)
EXTINGUISHANTS: Water Fog, Dry Chemical, Foam, CO_2
HAZARDOUS DECOMPOSITION: carbon monoxide, carbon dioxide, oxides of sulfur, nitrogen, & phosphorous
SPECIAL HAZARDS: do not weld, heat or drill container; residue may ignite with explosive violence if heated sufficiently

STORAGE:
INCOMPATIBILITIES: strong oxidizing agents (chlorates, nitrates, peroxides, etc)

OTHER: Do not use pressure to empty drum or drum may rupture with explosive force.

SPILLS: Small Spill: absorb with inert material; scoop mixture into closed container

Large Spill: stop source of release; dike and contain; pump liquid into salvage vessel; absorb residue with inert material and scoop mixture into closed container

DISPOSAL: Unused product not classified as hazardous waste, may be recycled; Disposal of used oil (hazardous and non-hazardous) is subject to 40 CFR 279.80-81. Also subject to state and local level regulations (see Appendix C for State Used Oil Hotline phone numbers).

A-A-52309 Lubricating Oil, Engine, API Service SG
USE: Engine Oil **TYPE:** Petroleum Base

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Refined Petroleum Distillate
CAS#: 64741-88-4 **HR:** Not Available
TOXICITY: Specifics Not Available
Mineral Oil, Petroleum Distillate, Solvent-Refined, Light Paraffinic
CAS#: 64741-89-5 **HR:** Not Available
TOXICITY: Specifics Not Available
Mineral Oil, Petroleum Distillates, Hydrotreated, Heavy Paraffinic
CAS#: 64742-54-7 **HR:** Not Available
TOXICITY: Specifics Not Available
Distillates (Petroleum), Solvent-Dewaxed, Heavy Paraffinic
CAS#: 64742-65-0 **HR:** Not Available
TSCA
TOXICITY: Specifics Not Available
Zinc Dialkyldithiophosphate
CAS#: 68649-42-3 **HR:** Not Available
SARA III
TOXICITY: Specifics Not Available

EXPOSURE:
EYES: may cause transient irritation
SKIN: prolong or repeated contact may cause irritation, rash, or dermatitis
INHALATION: inhalation of vapors may cause headache, dizziness, nausea, respiratory irritation, or chemical pneumonitis
INGESTION: low toxicity; if small amounts ingested, no harm will occur; if large amounts ingested, may cause gastrointestinal discomfort, diarrhea, and headache

HANDLING:
PROTECTIVE EQUIPMENT: safety glasses, rubber gloves, plastic or rubber apron

HYGIENE: wash exposed skin thoroughly with soap and water; if irritation persists, seek medical attention; remove soaked clothing immediately and launder before reuse

FIRE HAZARD:
FLASH POINT: 224°C (435°F)
EXTINGUISHANTS: Dry Chemical, Foam, Water Fog, CO_2
HAZARDOUS DECOMPOSITION: carbon monoxide, carbon dioxide
SPECIAL HAZARDS: None

STORAGE:
INCOMPATIBILITIES: strong oxidizing agents, strong acids, caustics

OTHER: None

SPILLS: Small Spill: absorb with sand or clay; scoop mixture into closed container

Large Spill: dike and contain; recover free material by pumping into salavge vessels; absorb residue with inert material and scoop into closed container

DISPOSAL: Unused product not classified as hazardous waste, may be recycled; Disposal of used oil (hazardous and non-hazardous) is subject to 40 CFR 279.80-81. Also subject to state and local level regulations (see Appendix C for State Used Oil Hotline phone numbers).

ASTM D396 Standard Specification for Fuel Oil #1, #2, #4, Light #4, #5, Light #5, #6

USE: Ground Vehicle Fuel **TYPE:** Hydrocarbon Distillate Fuel

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Naphthalene
CAS#: 91-20-3 **HR:** Not Available
SARA III
TOXICITY: Specifics Not Available

Benzene (< 0.01%)
CAS#: 71-43-2 **HR:** 3
TSCA, CRTKL, EPA GTP, IARC - YES
TOXICITY: Confirmed human carcinogen producing myeloid leukemia, Hodgkin's disease, and lymphomas by inhalation. A human poison by inhalation. Moderately toxic by ingestion. Experimental teratogenic and reproductive effects.

Xylene
CAS#: 1330-20-7 **HR:** 3
SARA III, TSCA, CRTKL, EPA GTP
TOXICITY: Moderately toxic by subcutaneous routes. Mildly toxic by inhalation and ingestion. Experimental teratogenic and reproductive effects. Very dangerous fire hazard.

Biphenyl
CAS#: 92-52-4 **HR:** 3
TSCA, CRTKL, EPA GTP
TOXICITY: Poison by intravenous route. Moderately toxic by ingestion. Severe inhalation irritant. Questionable carcinogen. Human systemic effects by inhalation: nausea or vomiting, gastrointestinal effects.

Hydrogen Sulfide (trace)
CAS#: 7783-06-4 **HR:** 3
EPA EHS, TSCA
TOXICITY: A human poison by inhalation. An asphyxiant. Human systemic effects by inhalation: coma, chronic pulmonary edema.

EXPOSURE:
EYES: will cause eye irritation
SKIN: may cause skin irritation; prolonged contact can lead to defatting and dermatitis; may cause blistering and open sores
INHALATION: inhalation is irritating to respiratory passages; may cause headache, dizziness, vomiting, nausea, incoordination, coma, unconsciousness; aspiration into the lungs may cause hemorrhaging, pulmonary edema, chemical pneumonitis
INGESTION: can cause irritation, vertigo, headache, anesthetic stupor, coma and death

HANDLING:
PROTECTIVE EQUIPMENT: respirator with organic vapor cartridge, safety glasses or splash goggles, neoprene gloves, protective apparel/clothing

HYGIENE: wash exposed skin with soap and water; remove soaked clothing immediately and launder before reuse

ASTM D396	**Standard Specification for Fuel Oil #1, #2, #4, Light #4, #5, Light #5, #6**
USE: Ground Vehicle Fuel	**TYPE:** Hydrocarbon Distillate Fuel
FIRE HAZARD: **FLASH POINT:** #2, #4, #4 Light, #6: 60°C (140°F) or higher; #1, #5, #5 Light: 54°C (130°F) or lower. **EXTINGUISHANTS:** Dry Chemical, Foam, Co_2 **HAZARDOUS DECOMPOSITION:** carbon monoxide,carbon dioxide, organic acids, aldehydes, sulfur dioxide. **SPECIAL HAZARDS:** flowing oil can be ignited by self generated static electricity; vapors generated in high heat can be explosive; vapors may travel to far source of ignition and flashback; ground storage and transport containers.	**STORAGE:** **INCOMPATIBILITIES:** oxidizing agents, combination of sulfuric and nitric acids. **OTHER:** Avoid high heat, open flames, build up of static electricity, other sources of ignition; empty containers may contain residual vapors, do not cut, weld, drill, or grind containers. Store in well ventilated, cool, dry area.
SPILLS: Eliminate all sources of ignition immediately! Small Spill: absorb with sand or other inert material; scoop mixture into closed container. Large Spill: stop leak; contain spill by dikeing; pump liquid to waste container; absorb residue and place in closed container.	**DISPOSAL:** #1, #5, #5 Light are all characteristically hazardous (flash point below 60°C) under RCRA regulations. Dispose of as EPA Hazardous Waste Number D001. #2,#4,#4 Light, #6 can be disposed of as solid waste via approved incinerator. Disposal of all types of fuel must be in accordance with state and local regulations.

ASTM D 910 Standard Specification for Aviation Gasoline
USE: Aviation Fuel **TYPE:** Petroleum Distillate Fuel

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Gasoline
CAS#: 8006-61-9 **HR:** 3
TSCA
TOXICITY: Mildly toxic by inhalation. Human systemic effects by inhalation: cough, conjunctiva irritation, hallucinations or distorted perceptions. Inhalation or ingestion can cause central nervous system depression. Pulmonary aspiration can cause severe pneumonitis.

EXPOSURE:
EYES: irritating to eyes
SKIN: rritating to skin; prolonged contact may cause dermatitis
INHALATION: irritating to respiratory tract; may cause dizziness, headache, unconsciousness
INGESTION: Not Available

HANDLING:
PROTECTIVE EQUIPMENT: splash goggles, nitrile gloves, protective apparel/clothing

HYGIENE: wash exposed skin with soap and water, remove soaked clothing immediately; launder before reuse

FIRE HAZARD:
FLASH POINT: -42°C (-44°F)
EXTINGUISHANTS: Dry Chemical, Foam, CO_2
HAZARDOUS DECOMPOSITION: carbon monoxide, carbon dioxide
SPECIAL HAZARDS: vapors may travel to ignition source and flash back; static electricity may cause ignition; water may cause fire to spread

STORAGE:
INCOMPATIBILITIES: strong oxidizing agents (chlorine, concentrated oxygen, sodium, calcium hypochloride)

OTHER: Make sure all tools are properly grounded; all equipment must be decontaminated before opening. Keep containers closed, and store in dry, cool place free of ignition sources.

SPILLS: Eliminate all sources of ignition immediately !

shut off source of leak; dike and contain ; prevent fuel from entering sewers and watercourses; pump into salvage vessels; absorb residue with sand or other inert material; scoop mixture into closed container

DISPOSAL: This fuel is characteristically hazardous (flash point below 60°C) under RCRA regulations. Dispose of as EPA Hazardous Waste Number D001.

ASTM D3699 Standard Specification fro Kerosene
USE: Illumination, Heating, Blending **TYPE:** Kerosene

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Kerosene
CAS#: 8008-20-6 **HR:** 3
TSCA
TOXICITY: Poisonous by intravenous and intratracheal routes. Moderately toxic to humans. Human systemic effects by ingestion and intravenous routes: hallucinations, coughing, nausea, vomiting, and fever.

EXPOSURE:
EYES: acute irritation
SKIN: acute irritation; can lead to sever dryness of skin
INHALATION: irritating to respiratory tract; may cause dizziness, headache, nausea, vomiting, unconsciousness
INGESTION: may cause irritation to gastrointestinal tract

HANDLING:
PROTECTIVE EQUIPMENT: splash goggles, nitrile gloves, protective apparel/clothing.

HYGIENE: wash exposed skin with soap and water; remove soaked clothing immediately and launder before reuse

FIRE HAZARD:
FLASH POINT: 49°C (120°F)
EXTINGUISHANTS: Alcohol Foam, Dry Chemical, CO_2
HAZARDOUS DECOMPOSITION: carbon monoxide,carbon dioxide, sulfur dioxide
SPECIAL HAZARDS: vapors may spread to remote ignition source and flash back

STORAGE:
INCOMPATIBILITIES: strong oxidizing agents (liquid oxygen, chlorine)

OTHER: Make sure all tools are properly grounded; all equipment must be decontaminated before opening. Keep containers closed, and store in dry, cool place free of ignition sources.

SPILLS: Eliminate all sources of ignition immediately!

shut off source of leak; dike and contain ; prevent fuel from entering sewers and watercourses; pump into salvage vessels; absorb residue with sand or other inert material; scoop mixture into closed container

DISPOSAL: This fuel is characteristically hazardous (flash point below 60°C) under RCRA regulations. Dispose of as EPA Hazardous Waste Number D001.

ASTM D4814 Standard Specification for Automotive Spark-Ignition Engine Fuel

USE: Ground gasoline engines/equipment **TYPE:** gasoline

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Ethyl Benzene (< 1.4%)
CAS#: 100-41-4 HR: 2
SARA III, TSCA, CRTKL, EPA GTP
TOXICITY: Moderately toxic by ingestion. Mildly toxic by inhalation and skin contact. Experimental teratogen. Human systemic effects by inhalation: eye, sleep, and pulmonary changes.

P-Xylene
CAS#: 106-42-3 HR: 3
SARA III, TSCA, CRTKL
TOXICITY: Mildly toxic by ingestion and inhalation. Experimental teratogenic and reproductive effects. May be narcotic in high concentrations.

M-Xylene
CAS#: 108-38-3 HR: 3
SARA III, TSCA, CRTKL
TOXICITY: Mildly toxic by ingestion, inhalation, and skin contact. Experimental teratogenic and reproductive effects. A severe skin irritant.

Lead
CAS#: 7439-92-1 HR: 3
SARA III, TSCA, CRTKL, EPA GTP
TOXICITY: Suspected carcinogen. Poison by ingestion. Experimental teratogenic and reproductive effects.

Toluene
CAS#: 108-88-3 HR: 3
SARA III, TSCA, CRTKL, EPA GTP
TOXICITY: Moderately toxic by intravenous and subcutaneous routes. Mildly toxic by inhalation. Experimental teratogenic and reproductive effects.

Cyclohexane
CAS#: 110-82-7 HR: 3
SARA III, CRTKL
TOXICITY: Poison by intravenous route. Moderately toxic by ingestion. Systemic irritant by inhalation and ingestion. Mutation data reported.

Methyl Tert-Butyl Ether
CAS#: 1634-04-4 HR: 2
SARA III, TSCA, CRTKL
TOXICITY: Not Available

Benzene (< 4.9%)
CAS#: 71-43-2 HR: 3
TSCA, CRTKL, EPA GTP, IARC - YES
TOXICITY: Confirmed human carcinogen producing myeloid leukemia, Hodgkin's disease, and lymphomas by inhalation. A human poison by inhalation. Moderately toxic by ingestion. Experimental teratogenic and reproductive effects.

NAPHTHALENE (< 1.5%)
CAS#: 91-20-3 HR: 3
TSCA, EPA GTP, CRTKL
TOXICITY: Human poison by ingestion. Moderately toxic by subcutaneous route. Experimental reproductive effects.

ASTM D4814 Standard Specification for Automotive Spark-Ignition Engine Fuel **USE:** Ground gasoline engines/equipment **TYPE:** gasoline	
EXPOSURE: **EYES:** can cause pain, tears, swelling, redness, blurred vision **SKIN:** will cause dryness and cracking; can cause burns **INHALATION:** can cause headache, dizziness, loss of coordination; high concentrations can cause loss of consciousness, coma, and death **INGESTION:** can cause headache, dizziness, lung damage, loss of consciousness, coma, and death	**HANDLING:** **PROTECTIVE EQUIPMENT:** organic vapor cartridge and dust/mist pre-filter respirator, safety goggles or face shield, protective apron **HYGIENE:** Remove soaked clothing immediately; launder soaked clothing before reuse; wash exposed skin with soap and water. Do not use as a cleaner or solvent. Do not siphon by mouth.
FIRE HAZARD: **FLASH POINT:** -43°C (-45°F) **EXTINGUISHANTS:** Water, Foam, Dry Chemical, CO_2 **HAZARDOUS DECOMPOSITION:** carbon monoxide **SPECIAL HAZARDS:** liquid evaporates quickly even at low temperatures and forms vapor that can ignite and burn with explosive violence	**STORAGE:** **INCOMPATIBILITIES:** halogens, strong acids, alkali, oxidizing agents **OTHER:** Store away from all ignition sources in cool area. Outside or detached storage is preferred. Ground and bond all transfer and storage equipment. Drums must be equipped with self closing valve, pressure vacuum bungs, and flame arresters.
SPILLS: Eliminate all sources of ignition immediately! Stop source of leak; dike and contain; guard against contamination of water supplies; pump into salvage vessels or vacuum truck; absorb residue with inert material; scoop mixture into closed container	**DISPOSAL:** This fuel is characteristically hazardous (flash point below 60°C) under RCRA regulations. Dispose of as EPA Hazardous Waste Number D001.

GM 6137 DEXRON II, Automatic Transmission Fluid
USE: Automatic Transmissions **TYPE:** Petroleum Base

HAZARDOUS COMPONENTS THAT MAY BE PRESENT:

Distillates (Petroleum), Hydrotreated, Heavy Paraffinic
CAS#: 64742-54-7 **HR:** Not Available
TSCA
TOXICITY: Specifics Not Available

Distillates (Petroleum), Solvent Dewaxed, Heavy Paraffinic
CAS#: 64742-65-0 **HR:** Not Available
TSCA
TOXICITY: Specifics Not Available

Hydrotreated Heavy Naphthenic Distillate
CAS#: 64742-52-5 **HR:** Not Available
TSCA
TOXICITY: Specifics Not Available

Proprietary Additives
CAS#: Not Available **HR:** Not Available
TSCA
TOXICITY: Specifics Not Available

EXPOSURE:
EYES: None
SKIN: None
INHALATION: None
INGESTION: None

HANDLING:
PROTECTIVE EQUIPMENT: no special protection required

HYGIENE: wash exposed skin with soap and water; launder soaked clothing before reuse

FIRE HAZARD:
FLASH POINT: 160°C (320°F)
EXTINGUISHANTS: Dry Chemical, Foam, Water Fog, CO_2
HAZARDOUS DECOMPOSITION: oxides of carbon, sulfur, nitrogen, phosphorous
SPECIAL HAZARDS: fluid will ignite explosively if heated sufficiently

STORAGE:
INCOMPATIBILITIES: strong oxidizing agents (chlorates, nitrates, peroxides, etc)

OTHER: Do not weld, heat, or drill container; rediue may ignite with explosive force if heated sufficiently. Do not use pressure to empty drum or drum may rupture with explosive force.

SPILLS: Small Spill: absorb with inert material; scoop mixture into closed container

Large Spill: dike and contain; pump liquid to salvage vessels; absorb residue with inert material and scoop mixture into closed container

DISPOSAL: Dispose of in accordance with HSHB-ME-SH, Technical Guide No. 126, Disposal Method RM03 (see Appendix E).

LIST OF COMMONLY USED ACRONYMS

A

ATERIS	Air Toxics Exposure and Risk Information System
ATSDR	Agency for Toxic Substances and Disease Registry

C

CAA	Clean Air Act
CAAA	Clean Air Act Amendments
CAER	Chemical Awareness and Emergency Response Program
CAER	Community Awareness and Emergency Response Program
CAG	Carcinogen Assessment Group
CAMP	Continuous Air Monitoring Program
CAO	Corrective Action Order
CAP	Compliance Audit Program
CAP	Corrective Action Plan
CAP	Criteria Air Pollutants
CAR	Corrective Action Report
CARPS	Computerized Accidental Release Planning System
CBEC	Concentration-Based Exemption Criteria
CC/RTS	Chemical Collection/Request Tracking System
CCID	Confidential Chemicals Identification System
CCS	Chemical Collection System
CDS	Compliance Data System
CED	CERCLA Enforcement Division
CEI	Compliance Evaluation Inspection
CEPP	Chemical Emergency Preparedness Program
CERCLA	Comprehensive Environmental Response, Compensation & Liability Act of 1980
CFC	Chlorofluorocarbon
CFR	Code of Federal Regulations
CHIP	Community Hazard Information Profile (TSCA)
CM	Corrective Measure
CMS	Corrective Measures Study
CNG	Compressed Natural Gas
COE	Corps of Engineers (DOD)
CRTKL	Community Right To Know List
CSI	Chemical Substances Inventory
CWA	Clean Water Act

D

DEIS	Draft Environmental Impact Statement
DIS	Defense Investigative Service
DL	Detection Limit
DMR	Discharge Monitoring Report
DRMO	Defense Reutilization and Marketing Office

E

EA	Enforcement Agreement
EA	Environmental Action
EA	Environmental Assessment
EAP	Environmental Action Plan
EC	Effective Concentration
ECRA	Economic Cleanup Responsibility Act
EHS	Extremely Hazardous Substance
EIA	Environmental Impact Assessment

EIL	Environmental Impairment Liability
EIS	Environmental Impact Statement
EL	Exposure Level
EO	Executive Order
EPA	Environmental Protection Agency
EPAC	Emergency Preparedness Advisory Committee
ERNS	Emergency Response Notification System
ES&H	Environmental Safety & Health
ESA	Environmentally Sensitive Area

F

FEIS	Final Environmental Impact Statement
FFCA	Federal Facilities Compliance Act
FIT	Field Investigation Team
FLP	Flash Point
FMP	Facility Management Plan
FONSI	Finding of No Significant Impact
FS	Feasibility Study
FUA	Fuel Use Act

G

GW	Ground Water

H

HAP	Hazardous Air Pollutant
HAZMAT	Hazardous Materials
HC	Hazardous Constituents
HHE	Human Health & the Environment
HHW	Household Hazardous Waste
HMIS	Hazardous Materials Information System
HMTR	Hazardous Materials Transportation Regulations
HOC	Hazardous Organic Constituents (TSCA/RCRA)
HPV	High Priority Violator
HRS	Hazard Ranking System
HSDB	Hazardous Substance Data Base
HSL	Hazardous Substance List
HSWA	Hazardous and Solid Waste Amendments of 1984
HW	Hazardous Waste
HWM	Hazardous Waste Management

I

IARC	International Agency for Research on Cancer
ICE	Internal Combustion Engine
ICRE	Ignitability, Corrosivity, Reactivity, Extraction (Characteristics)
IPM	Inhalable Particulate Matter
IPP	Implementation Planning Program
IRIS	Integrated Risk Information System
IRM	Interim Remedial Measures (CERCLA)
IRPTC	International Register of Potentially Toxic Chemicals
IRR	Inventory Reporting Requirement

L

LC	Lethal Concentration
LDR	Land Disposal Restrictions
LEPC	Local Emergency Planning Committee
LERC	Local Emergency Response Committee

LLWPA	Low Level Waste Policy Act
LTC	Long Term Concentration
LUST	Leaking Underground Storage Tank

M

MATC	Maximum Allowable Toxicant Concentration
MCL	Maximum Contaminant Level
MSDS	Material Safety Data Sheet

N

NAAQS	National Ambient Air Quality Standards
NCI	National Cancer Institute
NCR	Noncompliance Report
NNC	Notice of Noncompliance (TSCA)
NOAEL	No Observed Adverse Effect Level
NOD	Notice of Deficiency (RCRA)
NOHSCP	National Oil and Hazardous Substances Contingency Plan
NORA	National Oil Recyclers Association
NOV	Notice of Violation (CAA, CWA)
NOV/CD	Notice of Violation/Compliance Demand
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List (CERCLA)
NSWMA	National Solid Waste Management Association
NTP	National Toxicology Program

O

ODS	Ozone Depleting Substance
OHMTADS	Oil and Hazardous Materials Technical Assistance Data System
OILHM	Oil and Hazardous Material Information System
OPA '90	Oil Pollution Control Act of 1990
OSC	On Scene Coordinator
OSHA	Occupational Safety and Health Administration
OSWER	Office of Solid Waste and Emergency Response
OTS	Office of Toxic Substances
OUST	Office of Underground Storage Tanks

P

PC	Potential Carcinogen
PCB	Polychlorinated Biphenyl
PEL	Permissible Exposure Limit
PLIRRA	Pollution Liability Insurance and Risk Retention Act
PMR	Pollutant Mass Rate
PNA	Polynuclear Aromatic Hydrocarbons
POLRE	Pollution Report
POTW	Publicly Owned Treatment Works
PPB	Parts Per Billion
PPM	Parts Per Million
PRP	Potentially Responsible Party (CERCLA)
PRTYPOLS	Priority Pollutants
PSI	Pollutant Standards Index
PWS	Public Water Supply

R

RA	Remedial Action
RE	Reportable Event
REAG	Reproductive Effects Assessment Group
REEP	Review of Environmental Effects of Pollutants

RFA	RCRA Facility Assessment
RFI	Remedial Facility Investigation
RI	Remedial Investigation
RIP	RCRA Implementation Plan
RMCL	Recommended Maximum Contaminant Levels

S

SARA	Superfund Amendments and Reauthorization Act of 1986
SCBA	Self Contained Breathing Apparatus
SF	Superfund
SI	Site Inspection
SNARS	Spill Notification and Response System
SNUR	Significant New Use Rule (TSCA)
SPCC	Spill Prevention,Containment and Countermeasures (CWA)
SQG	Small Quantity Generator (RCRA)
SRAP	Superfund Remedial Accomplishment Plan
SWDA	Solid Waste Disposal Act

T

TC	Toxic Concentration
TCRI	Toxic Chemical Release Inventory
TPQ	Threshold Planning Quantity
TRI	Toxic Chemical Release Inventory
TRI	Toxic Release Inventory
TRIP	Toxic Release Inventory Program
TS	Toxic Substances
TSCA	Toxic Substances Control Act
TSD	Treatment, Storage, Disposal
TSDF	Treatment, Storage, Disposal Facility

V

VOC	Volatile Organic Compound

W

WAP	Waste Analysis Plan (RCRA)

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APPENDIX A:
Compilation Of Federal Environmental Regulations Listings

- Hazardous Air Pollutants under the Clean Air Act Amendments
- Hazardous Wastes From Non-Specific Sources
- Hazardous Wastes from Specific Sources
- Discarded Commercial Chemical Products (Acute Hazardous Wastes)
- Discarded Commercial Chemical Products (Toxic Wastes)
- Table 1 - Maximum Concentration of Contaminants for the Toxicity Characteristic.
- List of Extremely Hazardous Substances

Hazardous Air Pollutants under the Clean Air Act Ammendments

Hazardous Air Pollutants under the Clean Air Act Amendments

CAS #	Chemical name
75070	Acetaldehyde
60355	Acetamide
75058	Acetonitrile
98862	Acetophenone
53963	2–Acetylaminofluorene
107028	Acrolein
79061	Acrylamide
79107	Acrylic acid
107131	Acrylonitrile
107051	Allyl chloride
92671	4-Aminobiphenyl
62533	Aniline
90040	o-Anisidine
1332214	Asbestos
71432	Benzene (including benzene from gasoline)
92875	Benzidine
98077	Benzotrichloride
10047	Benzyl chloride
92524	Biphenyl
117817	Bis (2-ethylhexyl)phthalate (DEHP)
542881	Bis (chloromethyl) ether
75252	Bromoform
106990	1,3-Butadiene
156627	Calcium cyanamide
105602	Caprolactam
133062	Captan
63252	Carbaryl
75150	Carbon disulfide
56235	Carbon tetrachloride
463581	Carbonyl sulfide
120809	Catechol
133904	Chloramben
57749	Chlordane
7782505	Chlorine
79118	Chloroacetic acid
532274	2-Chloroacetophenone
108907	Chlorobenzene
510156	Chlorobenzilate
67663	Chloroform
107302	Chloromethyl methyl ether
126998	Chloroprene
1319773	Cresols/Cresylic acid (isomers and mixture)
95487	o-Cresol
108394	m-Cresol
106445	p-Cresol
98828	Cumene
94757	2,4-D, salts and esters
3547044	DDE
334883	Diazomethane
132649	Dibenzofurans
96128	1,2-Dibromo-3-chloropropane
84742	Dibutylphthalate
106467	1,4-Dichlorobenzene (p)
91941	3,3-Dichlorobenzidene
111444	Dichloroethyl ether (Bis (2-chloroethyl) ether)
542756	1,3-Dichloropropene
62737	Dichlorvos
111422	Diethanolamine
121697	N,N–Diethyl aniline (N,N–Dimethylaniline)
65675	Diethyl sulfate
119904	3,3–Dimethoxybenzidine
60117	Dimethyl aminoazobenzene
119937	3,3'–Dimethyl benzidine
79447	Dimethyl carbamoyl chloride
68122	Dimethyl formamide
57147	1,1-Dimethyl hydrazine
131113	Dimethyl phthalate
77781	Dimethyl sulfate
534521	4,6–Dinitro-o-cresol, and salts
51285	2,4-Dinitrophenol
121142	2,4-Dinitrotoluene
123911	1,4-Dioxane (1,4-Diethyleneoxide)
122667	1,2-Diphenylhydrazine
106898	Epichlorohydrin (1-Chloro-2,3-epoxypropane)
106887	1,2-Epoxybutane
140885	Ethyl acrylate
100414	Ethyl benzene
51796	Ethyl carbamate (Urethane)
75003	Ethyl chloride (Chloroethane)
106934	Ethylene dibromide (Dibromoethane)
107062	Ethylene dichloride (1,2-Dichloroethane)
107211	Ethylene glycol
151564	Ethylene imine (Aziridine)
75218	Ethylene oxide
96457	Ethylene thiourea
75343	Ethylidene dichloride (1,1-Dichloroethane)
50000	Formaldehyde
76448	Heptachlor
118741	Hexachlorobenzene
87683	Hexachlorobutadiene
77474	Hexachlorocyclopentadiene
67721	Hexachloroethane
822060	Hexamethylene-1,6-diisocyanate
680319	Hexamethylphosphoramide
110543	Hexane

Hazardous Air Pollutants under the Clean Air Act Amendments (continued)

CAS #	Chemical name
302012	Hydrazine
7647010	Hydrochloric acid
7664393	Hydrogen fluoride (Hydrofluoric acid)
7783064	Hydrogen sulfide
123319	Hydroquinone
78591	Isophorone
58899	Lindane (all isomers)
108316	Maleic anhydride
67561	Methanol
72435	Methoxychlor
74839	Methyl bromide (Bromomethane)
74873	Methyl chloride (Chloromethane)
71556	Methyl chloroform (1,1,1-Trichloroethane)
78933	Methyl ethyl ketone (2-Butanone)
60344	Methyl hydrazine
74884	Methyl iodide (Iodomethane)
108101	Methyl isobutyl ketone (Hexone)
624839	Methyl isocyanate
80626	Methyl methacrylate
1634044	Methyl tert butyl ether
101144	4,4-Methylene bis (2-chloroaniline)
75092	Methylene chloride (Dichloromethane)
101688	Methylene diphenyl diisocyanate (MDI)
101779	4,4'-Methylenedianiline
91203	Naphthalene
98953	Nitrobenzene
92933	4-Nitrobiphenyl
100027	4-Nitrophenol
79469	2-Nitropropane
684935	N-Nitroso-N-methylurea
62759	N-Nitrosodimethylamine
59892	N-Nitrosomorpholine
56382	Parathion
82688	Pentachloronitrobenzene (Quintobenzene)
87865	Pentachlorophenol
108952	Phenol
106503	p-Phenylenediamine
75445	Phosgene
7803512	Phosphine
7723140	Phosphorus
85449	Phthalic anhydride
1336363	Polychlorinated biphenyls (Arochlors)
1120714	1,3-Propane sultone
57578	beta-Propiolactone
123386	Propionaldehyde
114261	Propoxur (Baygon)
78875	Propylene dichloride (1,2-Dichloropropane)
75569	Propylene oxide
75558	1,2-Propylenimine (2-Methyl aziridine)
91225	Quinoline
106514	Quinone
100425	Styrene
96093	Styrene oxide
1745016	2,3,7,8-Tetrachlorodibenzo-p-dioxin
79345	1,1,2,2-Tetrachloroethane
127184	Tetrachloroethylene (Perchloroethylene)
7550450	Titanium tetrachloride
108883	Toluene
95807	2,4-Toluene diamine
584849	2,4-Toluene diisocyanate
95534	o-Toluidine
8001352	Toxaphene (chlorinated camphene)
120821	1,2,4-Trichlorobenzene
79005	1,1,2-Trichloroethane
79016	Trichloroethylene
95954	2,4,5-Trichlorophenol
88062	2,4,6-Trichlorophenol
121448	Triethylamine
1582098	Trifluralin
540841	2,2,4-Trimethylpentane
108054	Vinyl acetate
593602	Vinyl bromide
75014	Vinyl chloride
75354	Vinylidene chloride (1,1-Dichloroethylene)
1330207	Xylenes (isomers and mixture)
95476	o-Xylenes
108383	m-Xylenes
106423	p-Xylenes
0	Antimony Compounds
0	Arsenic Compounds (inorganic including arsine)
0	Beryllium Compounds
0	Cadmium Compounds
0	Chromium Compounds
0	Cobalt Compounds
0	Coke Oven Emissions
0	Cyanide Compounds
0	Glycol Ethers
0	Lead Compounds
0	Managanese Compounds
0	Mercury Compounds
0	Fine Mineral Fibers
0	Nickel Compounds
0	Polycyclic Organic Matter
0	Radionuclides (including radon)
0	Selenium Compounds

Hazardous Wastes From Non-Specific Sources

§ 261.31 Hazardous wastes from non-specific sources.

(a) The following solid wastes are listed hazardous wastes from non-specific sources unless they are excluded under §§ 260.20 and 260.22 and listed in appendix IX.

Industry and EPA hazardous waste No.	Hazardous waste	Hazard code
Generic:		
F001	The following spent halogenated solvents used in degreasing: Tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride, and chlorinated fluorocarbons; all spent solvent mixtures/blends used in degreasing containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.	(T)
F002	The following spent halogenated solvents: Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane, and 1,1,2-trichloroethane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those listed in F001, F004, or F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.	(T)
F003	The following spent non-halogenated solvents: Xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; all spent solvent mixtures/blends containing, before use, only the above spent non-halogenated solvents; and all spent solvent mixtures/blends containing, before use, one or more of the above non-halogenated solvents, and, a total of ten percent or more (by volume) of one or more of those solvents listed in F001, F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.	(I)*
F004	The following spent non-halogenated solvents: Cresols and cresylic acid, and nitrobenzene; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above non-halogenated solvents or those solvents listed in F001, F002, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.	(T)
F005	The following spent non-halogenated solvents: Toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, and 2-nitropropane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above non-halogenated solvents or those solvents listed in F001, F002, or F004; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.	(I,T)
F006	Wastewater treatment sludges from electroplating operations except from the following processes: (1) Sulfuric acid anodizing of aluminum; (2) tin plating on carbon steel; (3) zinc plating (segregated basis) on carbon steel; (4) aluminum or zinc-aluminum plating on carbon steel; (5) cleaning/stripping associated with tin, zinc and aluminum plating on carbon steel; and (6) chemical etching and milling of aluminum.	(T)
F007	Spent cyanide plating bath solutions from electroplating operations	(R, T)

Industry and EPA hazardous waste No.	Hazardous waste	Hazard code
F008	Plating bath residues from the bottom of plating baths from electroplating operations where cyanides are used in the process.	(R, T)
F009	Spent stripping and cleaning bath solutions from electroplating operations where cyanides are used in the process.	(R, T)
F010	Quenching bath residues from oil baths from metal heat treating operations where cyanides are used in the process.	(R, T)
F011	Spent cyanide solutions from salt bath pot cleaning from metal heat treating operations.	(R, T)
F012	Quenching waste water treatment sludges from metal heat treating operations where cyanides are used in the process.	(T)
F019	Wastewater treatment sludges from the chemical conversion coating of aluminum except from zirconium phosphating in aluminum can washing when such phosphating is an exclusive conversion coating process.	(T)
F020	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- or tetrachlorophenol, or of intermediates used to produce their pesticide derivatives. (This listing does not include wastes from the production of Hexachlorophene from highly purified 2,4,5-trichlorophenol.).	(H)
F021	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of pentachlorophenol, or of intermediates used to produce its derivatives.	(H)
F022	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzenes under alkaline conditions.	(H)
F023	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- and tetrachlorophenols. (This listing does not include wastes from equipment used only for the production or use of Hexachlorophene from highly purified 2,4,5-trichlorophenol.).	(H)
F024	Process wastes, including but not limited to, distillation residues, heavy ends, tars, and reactor clean-out wastes, from the production of certain chlorinated aliphatic hydrocarbons by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution. (This listing does not include wastewaters, wastewater treatment sludges, spent catalysts, and wastes listed in § 261.31 or § 261.32.).	(T)
F025	Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution.	(T)
F026	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzene under alkaline conditions.	(H)
F027	Discarded unused formulations containing tri-, tetra-, or pentachlorophenol or discarded unused formulations containing compounds derived from these chlorophenols. (This listing does not include formulations containing Hexachlorophene sythesized from prepurified 2,4,5-trichlorophenol as the sole component.).	(H)
F028	Residues resulting from the incineration or thermal treatment of soil contaminated with EPA Hazardous Waste Nos. F020, F021, F022, F023, F026, and F027.	(T)
F032	Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that currently use or have previously used chlorophenolic formulations (except potentially cross-contaminated wastes that have had the F032 waste code deleted in accordance with § 261.35 of this chapter or potentially cross-contaminated wastes that are otherwise currently regulated as hazardous wastes (i.e., F034 or F035), and where the generator does not resume or initiate use of chlorophenolic formulations). This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.	(T)
F034	Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that use creosote formulations. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.	(T)

Industry and EPA hazardous waste No.	Hazardous waste	Hazard code
F035	Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that use inorganic preservatives containing arsenic or chromium. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.	(T)
F037	Petroleum refinery primary oil/water/solids separation sludge—Any sludge generated from the gravitational separation of oil/water/solids during the storage or treatment of process wastewaters and oily cooling wastewaters from petroleum refineries. Such sludges include, but are not limited to, those generated in: oil/water/solids separators; tanks and impoundments; ditches and other conveyances; sumps; and stormwater units receiving dry weather flow. Sludge generated in stormwater units that do not receive dry weather flow, sludges generated from non-contact once-through cooling waters segregated for treatment from other process or oily cooling waters, sludges generated in aggressive biological treatment units as defined in § 261.31(b)(2) (including sludges generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units) and K051 wastes are not included in this listing.	(T)
F038	Petroleum refinery secondary (emulsified) oil/water/solids separation sludge—Any sludge and/or float generated from the physical and/or chemical separation of oil/water/solids in process wastewaters and oily cooling wastewaters from petroleum refineries. Such wastes include, but are not limited to, all sludges and floats generated in: induced air flotation (IAF) units, tanks and impoundments, and all sludges generated in DAF units. Sludges generated in stormwater units that do not receive dry weather flow, sludges generated from non-contact once-through cooling waters segregated for treatment from other process or oily cooling waters, sludges and floats generated in aggressive biological treatment units as defined in § 261.31(b)(2) (including sludges and floats generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units) and F037, K048, and K051 wastes are not included in this listing.	(T)
F039	Leachate (liquids that have percolated through land disposed wastes) resulting from the disposal of more than one restricted waste classified as hazardous under subpart D of this part. (Leachate resulting from the disposal of one or more of the following EPA Hazardous Wastes and no other Hazardous Wastes retains its EPA Hazardous Waste Number(s): F020, F021, F022, F026, F027, and/or F028.).	(T)

[1] The F032, F034, and F305 listings are administratively stayed with respect to the process area receiving drippage of these wastes provided persons desiring to continue operating notify EPA by August 6, 1991 of their intent to upgrade or install drip pads, and by November 6, 1991 provide evidence to EPA that they have adequate financing to pay for drip pad upgrades or installation, as provided in the administrative stay. The stay of the listings will remain in effect until February 6, 1992 for existing drip pads and until May 6, 1992 for new drip pads.

*(I,T) should be used to specify mixtures containing ignitable and toxic constituents.

Hazardous Wastes From Specific Sources

§ 261.32 Hazardous wastes from specific sources.

The following solid wastes are listed hazardous wastes from specific sources unless they are excluded under §§ 260.20 and 260.22 and listed in appendix IX.

Industry and EPA hazardous waste No.	Hazardous waste	Hazard code
Wood preservation: K001	Bottom sediment sludge from the treatment of wastewaters from wood preserving processes that use creosote and/or pentachlorophenol.	(T)
Inorganic pigments:		
K002	Wastewater treatment sludge from the production of chrome yellow and orange pigments.	(T)
K003	Wastewater treatment sludge from the production of molybdate orange pigments	(T)
K004	Wastewater treatment sludge from the production of zinc yellow pigments	(T)
K005	Wastewater treatment sludge from the production of chrome green pigments	(T)
K006	Wastewater treatment sludge from the production of chrome oxide green pigments (anhydrous and hydrated).	(T)
K007	Wastewater treatment sludge from the production of iron blue pigments	(T)
K008	Oven residue from the production of chrome oxide green pigments	(T)
Organic chemicals:		
K009	Distillation bottoms from the production of acetaldehyde from ethylene	(T)
K010	Distillation side cuts from the production of acetaldehyde from ethylene	(T)
K011	Bottom stream from the wastewater stripper in the production of acrylonitrile	(R, T)
K013	Bottom stream from the acetonitrile column in the production of acrylonitrile	(R, T)
K014	Bottoms from the acetonitrile purification column in the production of acrylonitrile	(T)
K015	Still bottoms from the distillation of benzyl chloride	(T)
K016	Heavy ends or distillation residues from the production of carbon tetrachloride	(T)
K017	Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin.	(T)
K018	Heavy ends from the fractionation column in ethyl chloride production	(T)
K019	Heavy ends from the distillation of ethylene dichloride in ethylene dichloride production.	(T)
K020	Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production	(T)
K021	Aqueous spent antimony catalyst waste from fluoromethanes production	(T)
K022	Distillation bottom tars from the production of phenol/acetone from cumene	(T)
K023	Distillation light ends from the production of phthalic anhydride from naphthalene	(T)
K024	Distillation bottoms from the production of phthalic anhydride from naphthalene	(T)
K025	Distillation bottoms from the production of nitrobenzene by the nitration of benzene	(T)
K026	Stripping still tails from the production of methy ethyl pyridines	(T)
K027	Centrifuge and distillation residues from toluene diisocyanate production	(R, T)
K028	Spent catalyst from the hydrochlorinator reactor in the production of 1,1,1-trichloroethane.	(T)
K029	Waste from the product steam stripper in the production of 1,1,1-trichloroethane	(T)
K030	Column bottoms or heavy ends from the combined production of trichloroethylene and perchloroethylene.	(T)
K083	Distillation bottoms from aniline production	(T)
K085	Distillation or fractionation column bottoms from the production of chlorobenzenes	(T)
K093	Distillation light ends from the production of phthalic anhydride from ortho-xylene	(T)
K094	Distillation bottoms from the production of phthalic anhydride from ortho-xylene	(T)
K095	Distillation bottoms from the production of 1,1,1-trichloroethane	(T)
K096	Heavy ends from the heavy ends column from the production of 1,1,1-trichloroethane	(T)
K103	Process residues from aniline extraction from the production of aniline	(T)
K104	Combined wastewater streams generated from nitrobenzene/aniline production	(T)
K105	Separated aqueous stream from the reactor product washing step in the production of chlorobenzenes.	(T)
K107	Column bottoms from product separation from the production of 1,1-dimethyl-hydrazine (UDMH) from carboxylic acid hydrazines.	(C,T)
K108	Condensed column overheads from product separation and condensed reactor vent gases from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.	(I,T)
K109	Spent filter cartridges from product purification from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.	(T)

Industry and EPA hazardous waste No.	Hazardous waste	Hazard code
K110	Condensed column overheads from intermediate separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.	(T)
K111	Product washwaters from the production of dinitrotoluene via nitration of toluene	(C,T)
K112	Reaction by-product water from the drying column in the production of toluenediamine via hydrogenation of dinitrotoluene.	(T)
K113	Condensed liquid light ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.	(T)
K114	Vicinals from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.	(T)
K115	Heavy ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.	(T)
K116	Organic condensate from the solvent recovery column in the production of toluene diisocyanate via phosgenation of toluenediamine.	(T)
K117	Wastewater from the reactor vent gas scrubber in the production of ethylene dibromide via bromination of ethene.	(T)
K118	Spent adsorbent solids from purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.	(T)
K136	Still bottoms from the purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.	(T)
K149	Distillation bottoms from the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups, (This waste does not include still bottoms from the distillation of benzyl chloride.).	(T)
K150	Organic residuals, excluding spent carbon adsorbent, from the spent chlorine gas and hydrochloric acid recovery processes associated with the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups.	(T)
K151	Wastewater treatment sludges, excluding neutralization and biological sludges, generated during the treatment of wastewaters from the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups.	(T)
Inorganic chemicals:		
K071	Brine purification muds from the mercury cell process in chlorine production, where separately prepurified brine is not used.	(T)
K073	Chlorinated hydrocarbon waste from the purification step of the diaphragm cell process using graphite anodes in chlorine production.	(T)
K106	Wastewater treatment sludge from the mercury cell process in chlorine production	(T)
Pesticides:		
K031	By-product salts generated in the production of MSMA and cacodylic acid	(T)
K032	Wastewater treatment sludge from the production of chlordane	(T)
K033	Wastewater and scrub water from the chlorination of cyclopentadiene in the production of chlordane.	(T)
K034	Filter solids from the filtration of hexachlorocyclopentadiene in the production of chlordane.	(T)
K035	Wastewater treatment sludges generated in the production of creosote	(T)
K036	Still bottoms from toluene reclamation distillation in the production of disulfoton	(T)
K037	Wastewater treatment sludges from the production of disulfoton	(T)
K038	Wastewater from the washing and stripping of phorate production	(T)
K039	Filter cake from the filtration of diethylphosphorodithioic acid in the production of phorate.	(T)
K040	Wastewater treatment sludge from the production of phorate	(T)
K041	Wastewater treatment sludge from the production of toxaphene	(T)
K042	Heavy ends or distillation residues from the distillation of tetrachlorobenzene in the production of 2,4,5-T.	(T)
K043	2,6-Dichlorophenol waste from the production of 2,4-D	(T)
K097	Vacuum stripper discharge from the chlordane chlorinator in the production of chlordane.	(T)
K098	Untreated process wastewater from the production of toxaphene	(T)
K099	Untreated wastewater from the production of 2,4-D	(T)
K123	Process wastewater (including supernates, filtrates, and washwaters) from the production of ethylenebisdithiocarbamic acid and its salt.	(T)
K124	Reactor vent scrubber water from the production of ethylenebisdithiocarbamic acid and its salts.	(C, T)
K125	Filtration, evaporation, and centrifugation solids from the production of ethylenebisdithiocarbamic acid and its salts.	(T)
K126	Baghouse dust and floor sweepings in milling and packaging operations from the production or formulation of ethylenebisdithiocarbamic acid and its salts.	(T)
K131	Wastewater from the reactor and spent sulfuric acid from the acid dryer from the production of methyl bromide.	(C, T)
K132	Spent absorbent and wastewater separator solids from the production of methyl bromide.	(T)
Explosives:		
K044	Wastewater treatment sludges from the manufacturing and processing of explosives .	(R)

Industry and EPA hazardous waste No.	Hazardous waste	Hazard code
K045	Spent carbon from the treatment of wastewater containing explosives	(R)
K046	Wastewater treatment sludges from the manufacturing, formulation and loading of lead-based initiating compounds.	(T)
K047	Pink/red water from TNT operations	(R)
Petroleum refining:		
K048	Dissolved air flotation (DAF) float from the petroleum refining industry	(T)
K049	Slop oil emulsion solids from the petroleum refining industry	(T)
K050	Heat exchanger bundle cleaning sludge from the petroleum refining industry	(T)
K051	API separator sludge from the petroleum refining industry	(T)
K052	Tank bottoms (leaded) from the petroleum refining industry	(T)
Iron and steel:		
K061	Emission control dust/sludge from the primary production of steel in electric furnaces	(T)
K062	Spent pickle liquor generated by steel finishing operations of facilities within the iron and steel industry (SIC Codes 331 and 332).	(C,T)
Primary copper:		
K064	Acid plant blowdown slurry/sludge resulting from the thickening of blowdown slurry from primary copper production.	(T)
Primary lead:		
K065	Surface impoundment solids contained in and dredged from surface impoundments at primary lead smelting facilities.	(T)
Primary zinc:		
K066	Sludge from treatment of process wastewater and/or acid plant blowdown from primary zinc production.	(T)
Primary aluminum:		
K088	Spent potliners from primary aluminum reduction	(T)
Ferroalloys:		
K090	Emission control dust or sludge from ferrochromiumsilicon production	(T)
K091	Emission control dust or sludge from ferrochromium production	(T)
Secondary lead:		
K069	Emission control dust/sludge from secondary lead smelting. (NOTE: This listing is stayed administratively for sludge generated from secondary acid scrubber systems. The stay will remain in effect until further administrative action is taken. If EPA takes further action effecting this stay, EPA will publish a notice of the action in the Federal Register.	(T)
K100	Waste leaching solution from acid leaching of emission control dust/sludge from secondary lead smelting.	(T)
Veterinary pharmaceuticals:		
K084	Wastewater treatment sludges generated during the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.	(T)
K101	Distillation tar residues from the distillation of aniline-based compounds in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.	(T)
K102	Residue from the use of activated carbon for decolorization in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.	(T)
Ink formulation:		
K086	Solvent washes and sludges, caustic washes and sludges, or water washes and sludges from cleaning tubs and equipment used in the formulation of ink from pigments, driers, soaps, and stabilizers containing chromium and lead.	(T)
Coking:		
K060	Ammonia still lime sludge from coking operations	(T)
K087	Decanter tank tar sludge from coking operations	(T)
K141	Process residues from the recovery of coal tar, including, but not limited to, collecting sump residues from the production of coke from coal or the recovery of coke by-products produced from coal. This listing does not include K087 (decanter tank tar sludges from coking operations).	(T)
K142	Tar storage tank residues from the production of coke from coal or from the recovery of coke by-products produced from coal.	(T)
K143	Process residues from the recovery of light oil, including, but not limited to, those generated in stills, decanters, and wash oil recovery units from the recovery of coke by-products produced from coal.	(T)
K144	Wastewater sump residues from light oil refining, including, but not limited to, intercepting or contamination sump sludges from the recovery of coke by-products produced from coal.	(T)
K145	Residues from naphthalene collection and recovery operations from the recovery of coke by-products produced from coal.	(T)
K147	Tar storage tank residues from coal tar refining	(T)
K148	Residues from coal tar distillation, including but not limited to, still bottoms	(T)

[46 FR 4618, Jan. 16, 1981]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 261.32, see the List of CFR Sections Affected in the Finding Aids section of this volume.

Discarded Commercial Chemical Products
(Acute Hazardous Wastes)

Hazardous waste No.	Chemical abstracts No.	Substance
P023	107-20-0	Acetaldehyde, chloro-
P002	591-08-2	Acetamide, N-(aminothioxomethyl)-
P057	640-19-7	Acetamide, 2-fluoro-
P058	62-74-8	Acetic acid, fluoro-, sodium salt
P002	591-08-2	1-Acetyl-2-thiourea
P003	107-02-8	Acrolein
P070	116-06-3	Aldicarb
P004	309-00-2	Aldrin
P005	107-18-6	Allyl alcohol
P006	20859-73-8	Aluminum phosphide (R,T)
P007	2763-96-4	5-(Aminomethyl)-3-isoxazolol
P008	504-24-5	4-Aminopyridine
P009	131-74-8	Ammonium picrate (R)
P119	7803-55-6	Ammonium vanadate
P099	506-61-6	Argentate(1-), bis(cyano-C)-, potassium
P010	7778-39-4	Arsenic acid H_3AsO_4
P012	1327-53-3	Arsenic oxide As_2O_3
P011	1303-28-2	Arsenic oxide As_2O_5
P011	1303-28-2	Arsenic pentoxide
P012	1327-53-3	Arsenic trioxide
P038	692-42-2	Arsine, diethyl-
P036	696-28-6	Arsonous dichloride, phenyl-
P054	151-56-4	Aziridine
P067	75-55-8	Aziridine, 2-methyl-
P013	542-62-1	Barium cyanide
P024	106-47-8	Benzenamine, 4-chloro-
P077	100-01-6	Benzenamine, 4-nitro-
P028	100-44-7	Benzene, (chloromethyl)-
P042	51-43-4	1,2-Benzenediol, 4-[1-hydroxy-2-(methylamino)ethyl]-, (R)-
P046	122-09-8	Benzeneethanamine, alpha,alpha-dimethyl-
P014	108-98-5	Benzenethiol
P001	181-81-2	2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenylbutyl)-, & salts, when present at concentrations greater than 0.3%
P028	100-44-7	Benzyl chloride
P015	7440-41-7	Beryllium
P017	598-31-2	Bromoacetone
P018	357-57-3	Brucine
P045	39196-18-4	2-Butanone, 3,3-dimethyl-1-(methylthio)-, O-[methylamino)carbonyl] oxime
P021	592-01-8	Calcium cyanide
P021	592-01-8	Calcium cyanide $Ca(CN)_2$
P022	75-15-0	Carbon disulfide
P095	75-44-5	Carbonic dichloride
P023	107-20-0	Chloroacetaldehyde
P024	106-47-8	p-Chloroaniline
P026	5344-82-1	1-(o-Chlorophenyl)thiourea
P027	542-76-7	3-Chloropropionitrile
P029	544-92-3	Copper cyanide
P029	544-92-3	Copper cyanide Cu(CN)
P030	.....	Cyanides (soluble cyanide salts), not otherwise specified
P031	460-19-5	Cyanogen
P033	506-77-4	Cyanogen chloride
P033	506-77-4	Cyanogen chloride (CN)Cl
P034	131-89-5	2-Cyclohexyl-4,6-dinitrophenol
P016	542-88-1	Dichloromethyl ether
P036	696-28-6	Dichlorophenylarsine
P037	60-57-1	Dieldrin
P038	692-42-2	Diethylarsine
P041	311-45-5	Diethyl-p-nitrophenyl phosphate
P040	297-97-2	O,O-Diethyl O-pyrazinyl phosphorothioate
P043	55-91-4	Diisopropylfluorophosphate (DFP)
P004	309-00-2	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexa- chloro-1,4,4a,5,8,8a,-hexahydro-, (1alpha,4alpha,4abeta,5alpha,8alpha,8abeta)-
P060	465-73-6	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexa- chloro-1,4,4a,5,8,8a-hexahydro-, (1alpha,4alpha,4abeta,5beta,8beta,8abeta)-
P037	60-57-1	2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta, 7aalpha)-
P051	172-20-8	2,7:3,6-Dimethanonaphth [2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2abeta,3alpha,6alpha,6abeta,7beta, 7aalpha)-, & metabolites
P044	60-51-5	Dimethoate

Hazardous waste No.	Chemical abstracts No.	Substance
P046	122-09-8	alpha,alpha-Dimethylphenethylamine
P047	[1]534-52-1	4,6-Dinitro-o-cresol, & salts
P048	51-28-5	2,4-Dinitrophenol
P020	88-85-7	Dinoseb
P085	152-16-9	Diphosphoramide, octamethyl-
P111	107-49-3	Diphosphoric acid, tetraethyl ester
P039	298-04-4	Disulfoton
P049	541-53-7	Dithiobiuret
P050	115-29-7	Endosulfan
P088	145-73-3	Endothall
P051	72-20-8	Endrin
P051	72-20-8	Endrin, & metabolites
P042	51-43-4	Epinephrine
P031	460-19-5	Ethanedinitrile
P066	16752-77-5	Ethanimidothioic acid, N-[[(methylamino)carbonyl]oxy]-, methyl ester
P101	107-12-0	Ethyl cyanide
P054	151-56-4	Ethyleneimine
P097	52-85-7	Famphur
P056	7782-41-4	Fluorine
P057	640-19-7	Fluoroacetamide
P058	62-74-8	Fluoroacetic acid, sodium salt
P065	628-86-4	Fulminic acid, mercury(2+) salt (R,T)
P059	76-44-8	Heptachlor
P062	757-58-4	Hexaethyl tetraphosphate
P116	79-19-6	Hydrazinecarbothioamide
P068	60-34-4	Hydrazine, methyl-
P063	74-90-8	Hydrocyanic acid
P063	74-90-8	Hydrogen cyanide
P096	7803-51-2	Hydrogen phosphide
P060	465-73-6	Isodrin
P007	2763-96-4	3(2H)-Isoxazolone, 5-(aminomethyl)-
P092	62-38-4	Mercury, (acetato-O)phenyl-
P065	628-86-4	Mercury fulminate (R,T)
P082	62-75-9	Methanamine, N-methyl-N-nitroso-
P064	624-83-9	Methane, isocyanato-
P016	542-88-1	Methane, oxybis[chloro-
P112	509-14-8	Methane, tetranitro- (R)
P118	75-70-7	Methanethiol, trichloro-
P050	115-29-7	6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide
P059	76-44-8	4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-
P066	16752-77-5	Methomyl
P068	60-34-4	Methyl hydrazine
P064	624-83-9	Methyl isocyanate
P069	75-86-5	2-Methyllactonitrile
P071	298-00-0	Methyl parathion
P072	86-88-4	alpha-Naphthylthiourea
P073	13463-39-3	Nickel carbonyl
P073	13463-39-3	Nickel carbonyl $Ni(CO)_4$, (T-4)-
P074	557-19-7	Nickel cyanide
P074	557-19-7	Nickel cynaide $Ni(CN)_2$
P075	[1]54-11-5	Nicotine, & salts
P076	10102-43-9	Nitric oxide
P077	100-01-6	p-Nitroaniline
P078	10102-44-0	Nitrogen dioxide
P076	10102-43-9	Nitrogen oxide NO
P078	10102-44-0	Nitrogen oxide NO_2
P081	55-63-0	Nitroglycerine (R)
P082	62-75-9	N-Nitrosodimethylamine
P084	4549-40-0	N-Nitrosomethylvinylamine
P085	152-16-9	Octamethylpyrophosphoramide
P087	20816-12-0	Osmium oxide OsO_4, (T-4)-
P087	20816-12-0	Osmium tetroxide
P088	145-73-3	7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid
P089	56-38-2	Parathion
P034	131-89-5	Phenol, 2-cyclohexyl-4,6-dinitro-
P048	51-28-5	Phenol, 2,4-dinitro-
P047	[1]534-52-1	Phenol, 2-methyl-4,6-dinitro-, & salts
P020	88-85-7	Phenol, 2-(1-methylpropyl)-4,6-dinitro-
P009	131-74-8	Phenol, 2,4,6-trinitro-, ammonium salt (R)

Hazardous waste No.	Chemical abstracts No.	Substance
P092	62–38–4	Phenylmercury acetate
P093	103–85–5	Phenylthiourea
P094	298–02–2	Phorate
P095	75–44–5	Phosgene
P096	7803–51–2	Phosphine
P041	311–45–5	Phosphoric acid, diethyl 4-nitrophenyl ester
P039	298–04–4	Phosphorodithioic acid, O,O-diethyl S-[2-(ethylthio)ethyl] ester
P094	298–02–2	Phosphorodithioic acid, O,O-diethyl S-[(ethylthio)methyl] ester
P044	60–51–5	Phosphorodithioic acid, O,O-dimethyl S-[2-(methylamino)-2-oxoethyl] ester
P043	55–91–4	Phosphorofluoridic acid, bis(1-methylethyl) ester
P089	56–38–2	Phosphorothioic acid, O,O-diethyl O-(4-nitrophenyl) ester
P040	297–97–2	Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester
P097	52–85–7	Phosphorothioic acid, O-[4-[(dimethylamino)sulfonyl]phenyl] O,O-dimethyl ester
P071	298–00–0	Phosphorothioic acid, O,O,-dimethyl O-(4-nitrophenyl) ester
P110	78–00–2	Plumbane, tetraethyl-
P098	151–50–8	Potassium cyanide
P098	151–50–8	Potassium cyanide K(CN)
P099	506–61–6	Potassium silver cyanide
P070	116–06–3	Propanal, 2-methyl-2-(methylthio)-, O-[(methylamino)carbonyl]oxime
P101	107–12–0	Propanenitrile
P027	542–76–7	Propanenitrile, 3-chloro-
P069	75–86–5	Propanenitrile, 2-hydroxy-2-methyl-
P081	55–63–0	1,2,3-Propanetriol, trinitrate (R)
P017	598–31–2	2-Propanone, 1-bromo-
P102	107–19–7	Propargyl alcohol
P003	107–02–8	2-Propenal
P005	107–18–6	2-Propen-1-ol
P067	75–55–8	1,2-Propylenimine
P102	107–19–7	2-Propyn-1-ol
P008	504–24–5	4-Pyridinamine
P075	[1]54–11–5	Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, (S)-, & salts
P114	12039–52–0	Selenious acid, dithallium(1+) salt
P103	630–10–4	Selenourea
P104	506–64–9	Silver cyanide
P104	506–64–9	Silver cyanide Ag(CN)
P105	26628–22–8	Sodium azide
P106	143–33–9	Sodium cyanide
P106	143–33–9	Sodium cyanide Na(CN)
P108	[1]57–24–9	Strychnidin-10-one, & salts
P018	357–57–3	Strychnidin-10-one, 2,3-dimethoxy-
P108	[1]57–24–9	Strychnine, & salts
P115	7446–18–6	Sulfuric acid, dithallium(1+) salt
P109	3689–24–5	Tetraethyldithiopyrophosphate
P110	78–00–2	Tetraethyl lead
P111	107–49–3	Tetraethyl pyrophosphate
P112	509–14–8	Tetranitromethane (R)
P062	757–58–4	Tetraphosphoric acid, hexaethyl ester
P113	1314–32–5	Thallic oxide
P113	1314–32–5	Thallium oxide Tl_2O_3
P114	12039–52–0	Thallium(I) selenite
P115	7446–18–6	Thallium(I) sulfate
P109	3689–24–5	Thiodiphosphoric acid, tetraethyl ester
P045	39196–18–4	Thiofanox
P049	541–53–7	Thioimidodicarbonic diamide $[(H_2N)C(S)]_2NH$
P014	108–98–5	Thiophenol
P116	79–19–6	Thiosemicarbazide
P026	5344–82–1	Thiourea, (2-chlorophenyl)-
P072	86–88–4	Thiourea, 1-naphthalenyl-
P093	103–85–5	Thiourea, phenyl-
P123	8001–35–2	Toxaphene
P118	75–70–7	Trichloromethanethiol
P119	7803–55–6	Vanadic acid, ammonium salt
P120	1314–62–1	Vanadium oxide V_2O_5
P120	1314–62–1	Vanadium pentoxide
P084	4549–40–0	Vinylamine, N-methyl-N-nitroso-
P001	[1]81–81–2	Warfarin, & salts, when present at concentrations greater than 0.3%
P121	557–21–1	Zinc cyanide
P121	557–21–1	Zinc cyanide $Zn(CN)_2$

Discarded Commercial Chemical Products (Toxic Wastes)

Hazardous waste No.	Chemical abstracts No.	Substance
P122	1314-84-7	Zinc phosphide Zn_3P_2, when present at concentrations greater than 10% (R,T)

[1] CAS Number given for parent compound only.

(f) The commercial chemical products, manfacturing chemical intermediates, or off-specification commercial chemical products referred to in paragraphs (a) through (d) of this section, are identified as toxic wastes (T), unless otherwise designated and are subject to the small quantity generator exclusion defined in §261.5 (a) and (g).

[*Comment:* For the convenience of the regulated community, the primary hazardous properties of these materials have been indicated by the letters T (Toxicity), R (Reactivity), I (Ignitability) and C (Corrosivity). Absence of a letter indicates that the compound is only listed for toxicity.]

These wastes and their corresponding EPA Hazardous Waste Numbers are:

Hazardous waste No.	Chemical abstracts No.	Substance
U001	75-07-0	Acetaldehyde (I)
U034	75-87-6	Acetaldehyde, trichloro-
U187	62-44-2	Acetamide, N-(4-ethoxyphenyl)-
U005	53-96-3	Acetamide, N-9H-fluoren-2-yl-
U240	[1] 94-75-7	Acetic acid, (2,4-dichlorophenoxy)-, salts & esters
U112	141-78-6	Acetic acid ethyl ester (I)
U144	301-04-2	Acetic acid, lead(2+) salt
U214	563-68-8	Acetic acid, thallium(1+) salt
see F027	93-76-5	Acetic acid, (2,4,5-trichlorophenoxy)-
U002	67-64-1	Acetone (I)
U003	75-05-8	Acetonitrile (I,T)
U004	98-86-2	Acetophenone
U005	53-96-3	2-Acetylaminofluorene
U006	75-36-5	Acetyl chloride (C,R,T)
U007	79-06-1	Acrylamide
U008	79-10-7	Acrylic acid (I)
U009	107-13-1	Acrylonitrile
U011	61-82-5	Amitrole
U012	62-53-3	Aniline (I,T)
U136	75-60-5	Arsinic acid, dimethyl-
U014	492-80-8	Auramine
U015	115-02-6	Azaserine
U010	50-07-7	Azirino[2',3':3,4]pyrrolo[1,2-a]indole-4,7-dione, 6-amino-8-[[(aminocarbonyl)oxy]methyl]-1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5-methyl-, [1aS-(1aalpha, 8beta,8aalpha,8balpha)]-
U157	56-49-5	Benz[j]aceanthrylene, 1,2-dihydro-3-methyl-
U016	225-51-4	Benz[c]acridine
U017	98-87-3	Benzal chloride
U192	23950-58-5	Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)-
U018	56-55-3	Benz[a]anthracene
U094	57-97-6	Benz[a]anthracene, 7,12-dimethyl-
U012	62-53-3	Benzenamine (I,T)
U014	492-80-8	Benzenamine, 4,4'-carbonimidoylbis[N,N-dimethyl-
U049	3165-93-3	Benzenamine, 4-chloro-2-methyl-, hydrochloride
U093	60-11-7	Benzenamine, N,N-dimethyl-4-(phenylazo)-
U328	95-53-4	Benzenamine, 2-methyl-
U353	106-49-0	Benzenamine, 4-methyl-
U158	101-14-4	Benzenamine, 4,4'-methylenebis[2-chloro-
U222	636-21-5	Benzenamine, 2-methyl-, hydrochloride
U181	99-55-8	Benzenamine, 2-methyl-5-nitro-
U019	71-43-2	Benzene (I,T)
U038	510-15-6	Benzeneacetic acid, 4-chloro-alpha-(4-chlorophenyl)-alpha-hydroxy-, ethyl ester
U030	101-55-3	Benzene, 1-bromo-4-phenoxy-
U035	305-03-3	Benzenebutanoic acid, 4-[bis(2-chloroethyl)amino]-
U037	108-90-7	Benzene, chloro-
U221	25376-45-8	Benzenediamine, ar-methyl-
U028	117-81-7	1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester
U069	84-74-2	1,2-Benzenedicarboxylic acid, dibutyl ester
U088	84-66-2	1,2-Benzenedicarboxylic acid, diethyl ester
U102	131-11-3	1,2-Benzenedicarboxylic acid, dimethyl ester

Hazardous waste No.	Chemical abstracts No.	Substance
U107	117-84-0	1,2-Benzenedicarboxylic acid, dioctyl ester
U070	95-50-1	Benzene, 1,2-dichloro-
U071	541-73-1	Benzene, 1,3-dichloro-
U072	106-46-7	Benzene, 1,4-dichloro-
U060	72-54-8	Benzene, 1,1'-(2,2-dichloroethylidene)bis[4-chloro-
U017	98-87-3	Benzene, (dichloromethyl)-
U223	26471-62-5	Benzene, 1,3-diisocyanatomethyl- (R,T)
U239	1330-20-7	Benzene, dimethyl- (I,T)
U201	108-46-3	1,3-Benzenediol
U127	118-74-1	Benzene, hexachloro-
U056	110-82-7	Benzene, hexahydro- (I)
U220	108-88-3	Benzene, methyl-
U105	121-14-2	Benzene, 1-methyl-2,4-dinitro-
U106	606-20-2	Benzene, 2-methyl-1,3-dinitro-
U055	98-82-8	Benzene, (1-methylethyl)- (I)
U169	98-95-3	Benzene, nitro-
U183	608-93-5	Benzene, pentachloro-
U185	82-68-8	Benzene, pentachloronitro-
U020	98-09-9	Benzenesulfonic acid chloride (C,R)
U020	98-09-9	Benzenesulfonyl chloride (C,R)
U207	95-94-3	Benzene, 1,2,4,5-tetrachloro-
U061	50-29-3	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-chloro-
U247	72-43-5	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4- methoxy-
U023	98-07-7	Benzene, (trichloromethyl)-
U234	99-35-4	Benzene, 1,3,5-trinitro-
U021	92-87-5	Benzidine
U202	[1] 81-07-2	1,2-Benzisothiazol-3(2H)-one, 1,1-dioxide, & salts
U203	94-59-7	1,3-Benzodioxole, 5-(2-propenyl)-
U141	120-58-1	1,3-Benzodioxole, 5-(1-propenyl)-
U090	94-58-6	1,3-Benzodioxole, 5-propyl-
U064	189-55-9	Benzo[rst]pentaphene
U248	[1] 81-81-2	2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenyl-butyl)-, & salts, when present at concentrations of 0.3% or less
U022	50-32-8	Benzo[a]pyrene
U197	106-51-4	p-Benzoquinone
U023	98-07-7	Benzotrichloride (C,R,T)
U085	1464-53-5	2,2'-Bioxirane
U021	92-87-5	[1,1'-Biphenyl]-4,4'-diamine
U073	91-94-1	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dichloro-
U091	119-90-4	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dimethoxy-
U095	119-93-7	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dimethyl-
U225	75-25-2	Bromoform
U030	101-55-3	4-Bromophenyl phenyl ether
U128	87-68-3	1,3-Butadiene, 1,1,2,3,4,4-hexachloro-
U172	924-16-3	1-Butanamine, N-butyl-N-nitroso-
U031	71-36-3	1-Butanol (I)
U159	78-93-3	2-Butanone (I,T)
U160	1338-23-4	2-Butanone, peroxide (R,T)
U053	4170-30-3	2-Butenal
U074	764-41-0	2-Butene, 1,4-dichloro- (I,T)
U143	303-34-4	2-Butenoic acid, 2-methyl-, 7-[[2,3-dihydroxy-2-(1-methoxyethyl)-3-methyl-1-oxobutoxy]methyl]-2,3,5,7a-tetrahydro-1H-pyrrolizin-1-yl ester, [1S-[1alpha(Z),7(2S*,3R*),7aalpha]]-
U031	71-36-3	n-Butyl alcohol (I)
U136	75-60-5	Cacodylic acid
U032	13765-19-0	Calcium chromate
U238	51-79-6	Carbamic acid, ethyl ester
U178	615-53-2	Carbamic acid, methylnitroso-, ethyl ester
U097	79-44-7	Carbamic chloride, dimethyl-
U114	[1] 111-54-6	Carbamodithioic acid, 1,2-ethanediylbis-, salts & esters
U062	2303-16-4	Carbamothioic acid, bis(1-methylethyl)-, S-(2,3-dichloro-2-propenyl) ester
U215	6533-73-9	Carbonic acid, dithallium(1+) salt
U033	353-50-4	Carbonic difluoride
U156	79-22-1	Carbonochloridic acid, methyl ester (I,T)
U033	353-50-4	Carbon oxyfluoride (R,T)
U211	56-23-5	Carbon tetrachloride
U034	75-87-6	Chloral
U035	305-03-3	Chlorambucil
U036	57-74-9	Chlordane, alpha & gamma isomers
U026	494-03-1	Chlornaphazin

Hazardous waste No.	Chemical abstracts No.	Substance
U037	108-90-7	Chlorobenzene
U038	510-15-6	Chlorobenzilate
U039	59-50-7	p-Chloro-m-cresol
U042	110-75-8	2-Chloroethyl vinyl ether
U044	67-66-3	Chloroform
U046	107-30-2	Chloromethyl methyl ether
U047	91-58-7	beta-Chloronaphthalene
U048	95-57-8	o-Chlorophenol
U049	3165-93-3	4-Chloro-o-toluidine, hydrochloride
U032	13765-19-0	Chromic acid H_2CrO_4, calcium salt
U050	218-01-9	Chrysene
U051	.....	Creosote
U052	1319-77-3	Cresol (Cresylic acid)
U053	4170-30-3	Crotonaldehyde
U055	98-82-8	Cumene (I)
U246	506-68-3	Cyanogen bromide (CN)Br
U197	106-51-4	2,5-Cyclohexadiene-1,4-dione
U056	110-82-7	Cyclohexane (I)
U129	58-89-9	Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1alpha,2alpha,3beta,4alpha,5alpha,6beta)-
U057	108-94-1	Cyclohexanone (I)
U130	77-47-4	1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro-
U058	50-18-0	Cyclophosphamide
U240	194-75-7	2,4-D, salts & esters
U059	20830-81-3	Daunomycin
U060	72-54-8	DDD
U061	50-29-3	DDT
U062	2303-16-4	Diallate
U063	53-70-3	Dibenz[a,h]anthracene
U064	189-55-9	Dibenzo[a,i]pyrene
U066	96-12-8	1,2-Dibromo-3-chloropropane
U069	84-74-2	Dibutyl phthalate
U070	95-50-1	o-Dichlorobenzene
U071	541-73-1	m-Dichlorobenzene
U072	106-46-7	p-Dichlorobenzene
U073	91-94-1	3,3'-Dichlorobenzidine
U074	764-41-0	1,4-Dichloro-2-butene (I,T)
U075	75-71-8	Dichlorodifluoromethane
U078	75-35-4	1,1-Dichloroethylene
U079	156-60-5	1,2-Dichloroethylene
U025	111-44-4	Dichloroethyl ether
U027	108-60-1	Dichloroisopropyl ether
U024	111-91-1	Dichloromethoxy ethane
U081	120-83-2	2,4-Dichlorophenol
U082	87-65-0	2,6-Dichlorophenol
U084	542-75-6	1,3-Dichloropropene
U085	1464-53-5	1,2:3,4-Diepoxybutane (I,T)
U108	123-91-1	1,4-Diethyleneoxide
U028	117-81-7	Diethylhexyl phthalate
U086	1615-80-1	N,N'-Diethylhydrazine
U087	3288-58-2	O,O-Diethyl S-methyl dithiophosphate
U088	84-66-2	Diethyl phthalate
U089	56-53-1	Diethylstilbesterol
U090	94-58-6	Dihydrosafrole
U091	119-90-4	3,3'-Dimethoxybenzidine
U092	124-40-3	Dimethylamine (I)
U093	60-11-7	p-Dimethylaminoazobenzene
U094	57-97-6	7,12-Dimethylbenz[a]anthracene
U095	119-93-7	3,3'-Dimethylbenzidine
U096	80-15-9	alpha,alpha-Dimethylbenzylhydroperoxide (R)
U097	79-44-7	Dimethylcarbamoyl chloride
U098	57-14-7	1,1-Dimethylhydrazine
U099	540-73-8	1,2-Dimethylhydrazine
U101	105-67-9	2,4-Dimethylphenol
U102	131-11-3	Dimethyl phthalate
U103	77-78-1	Dimethyl sulfate
U105	121-14-2	2,4-Dinitrotoluene
U106	606-20-2	2,6-Dinitrotoluene
U107	117-84-0	Di-n-octyl phthalate
U108	123-91-1	1,4-Dioxane
U109	122-66-7	1,2-Diphenylhydrazine
U110	142-84-7	Dipropylamine (I)

Hazardous waste No.	Chemical abstracts No.	Substance
U111	621-64-7	Di-n-propylnitrosamine
U041	106-89-8	Epichlorohydrin
U001	75-07-0	Ethanal (I)
U174	55-18-5	Ethanamine, N-ethyl-N-nitroso-
U155	91-80-5	1,2-Ethanediamine, N,N-dimethyl-N'-2-pyridinyl-N'-(2-thienylmethyl)-
U067	106-93-4	Ethane, 1,2-dibromo-
U076	75-34-3	Ethane, 1,1-dichloro-
U077	107-06-2	Ethane, 1,2-dichloro-
U131	67-72-1	Ethane, hexachloro-
U024	111-91-1	Ethane, 1,1'-[methylenebis(oxy)]bis[2-chloro-
U117	60-29-7	Ethane, 1,1'-oxybis-(I)
U025	111-44-4	Ethane, 1,1'-oxybis[2-chloro-
U184	76-01-7	Ethane, pentachloro-
U208	630-20-6	Ethane, 1,1,1,2-tetrachloro-
U209	79-34-5	Ethane, 1,1,2,2-tetrachloro-
U218	62-55-5	Ethanethioamide
U226	71-55-6	Ethane, 1,1,1-trichloro-
U227	79-00-5	Ethane, 1,1,2-trichloro-
U359	110-80-5	Ethanol, 2-ethoxy-
U173	1116-54-7	Ethanol, 2,2'-(nitrosoimino)bis-
U004	98-86-2	Ethanone, 1-phenyl-
U043	75-01-4	Ethene, chloro-
U042	110-75-8	Ethene, (2-chloroethoxy)-
U078	75-35-4	Ethene, 1,1-dichloro-
U079	156-60-5	Ethene, 1,2-dichloro-, (E)-
U210	127-18-4	Ethene, tetrachloro-
U228	79-01-6	Ethene, trichloro-
U112	141-78-6	Ethyl acetate (I)
U113	140-88-5	Ethyl acrylate (I)
U238	51-79-6	Ethyl carbamate (urethane)
U117	60-29-7	Ethyl ether (I)
U114	111-54-6	Ethylenebisdithiocarbamic acid, salts & esters
U067	106-93-4	Ethylene dibromide
U077	107-06-2	Ethylene dichloride
U359	110-80-5	Ethylene glycol monoethyl ether
U115	75-21-8	Ethylene oxide (I,T)
U116	96-45-7	Ethylenethiourea
U076	75-34-3	Ethylidene dichloride
U118	97-63-2	Ethyl methacrylate
U119	62-50-0	Ethyl methanesulfonate
U120	206-44-0	Fluoranthene
U122	50-00-0	Formaldehyde
U123	64-18-6	Formic acid (C,T)
U124	110-00-9	Furan (I)
U125	98-01-1	2-Furancarboxaldehyde (I)
U147	108-31-6	2,5-Furandione
U213	109-99-9	Furan, tetrahydro-(I)
U125	98-01-1	Furfural (I)
U124	110-00-9	Furfuran (I)
U206	18883-66-4	Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-, D-
U206	18883-66-4	D-Glucose, 2-deoxy-2-[[(methylnitrosoamino)-carbonyl]amino]-
U126	765-34-4	Glycidylaldehyde
U163	70-25-7	Guanidine, N-methyl-N'-nitro-N-nitroso-
U127	118-74-1	Hexachlorobenzene
U128	87-68-3	Hexachlorobutadiene
U130	77-47-4	Hexachlorocyclopentadiene
U131	67-72-1	Hexachloroethane
U132	70-30-4	Hexachlorophene
U243	1888-71-7	Hexachloropropene
U133	302-01-2	Hydrazine (R,T)
U086	1615-80-1	Hydrazine, 1,2-diethyl-
U098	57-14-7	Hydrazine, 1,1-dimethyl-
U099	540-73-8	Hydrazine, 1,2-dimethyl-
U109	122-66-7	Hydrazine, 1,2-diphenyl-
U134	7664-39-3	Hydrofluoric acid (C,T)
U134	7664-39-3	Hydrogen fluoride (C,T)
U135	7783-06-4	Hydrogen sulfide
U135	7783-06-4	Hydrogen sulfide H_2S
U096	80-15-9	Hydroperoxide, 1-methyl-1-phenylethyl- (R)
U116	96-45-7	2-Imidazolidinethione
U137	193-39-5	Indeno[1,2,3-cd]pyrene

Hazardous waste No.	Chemical abstracts No.	Substance
U190	85-44-9	1,3-Isobenzofurandione
U140	78-83-1	Isobutyl alcohol (I,T)
U141	120-58-1	Isosafrole
U142	143-50-0	Kepone
U143	303-34-4	Lasiocarpine
U144	301-04-2	Lead acetate
U146	1335-32-6	Lead, bis(acetato-O)tetrahydroxytri-
U145	7446-27-7	Lead phosphate
U146	1335-32-6	Lead subacetate
U129	58-89-9	Lindane
U163	70-25-7	MNNG
U147	108-31-6	Maleic anhydride
U148	123-33-1	Maleic hydrazide
U149	109-77-3	Malononitrile
U150	148-82-3	Melphalan
U151	7439-97-6	Mercury
U152	126-98-7	Methacrylonitrile (I, T)
U092	124-40-3	Methanamine, N-methyl- (I)
U029	74-83-9	Methane, bromo-
U045	74-87-3	Methane, chloro- (I, T)
U046	107-30-2	Methane, chloromethoxy-
U068	74-95-3	Methane, dibromo-
U080	75-09-2	Methane, dichloro-
U075	75-71-8	Methane, dichlorodifluoro-
U138	74-88-4	Methane, iodo-
U119	62-50-0	Methanesulfonic acid, ethyl ester
U211	56-23-5	Methane, tetrachloro-
U153	74-93-1	Methanethiol (I, T)
U225	75-25-2	Methane, tribromo-
U044	67-66-3	Methane, trichloro-
U121	75-69-4	Methane, trichlorofluoro-
U036	57-74-9	4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-
U154	67-56-1	Methanol (I)
U155	91-80-5	Methapyrilene
U142	143-50-0	1,3,4-Metheno-2H-cyclobuta[cd]pentalen-2-one, 1,1a,3,3a,4,5,5,5a,5b,6-decachlorooctahydro-
U247	72-43-5	Methoxychlor
U154	67-56-1	Methyl alcohol (I)
U029	74-83-9	Methyl bromide
U186	504-60-9	1-Methylbutadiene (I)
U045	74-87-3	Methyl chloride (I,T)
U156	79-22-1	Methyl chlorocarbonate (I,T)
U226	71-55-6	Methyl chloroform
U157	56-49-5	3-Methylcholanthrene
U158	101-14-4	4,4'-Methylenebis(2-chloroaniline)
U068	74-95-3	Methylene bromide
U080	75-09-2	Methylene chloride
U159	78-93-3	Methyl ethyl ketone (MEK) (I,T)
U160	1338-23-4	Methyl ethyl ketone peroxide (R,T)
U138	74-88-4	Methyl iodide
U161	108-10-1	Methyl isobutyl ketone (I)
U162	80-62-6	Methyl methacrylate (I,T)
U161	108-10-1	4-Methyl-2-pentanone (I)
U164	56-04-2	Methylthiouracil
U010	50-07-7	Mitomycin C
U059	20830-81-3	5,12-Naphthacenedione, 8-acetyl-10-[(3-amino-2,3,6-trideoxy)-alpha-L-lyxo-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-, (8S-cis)-
U167	134-32-7	1-Naphthalenamine
U168	91-59-8	2-Naphthalenamine
U026	494-03-1	Naphthalenamine, N,N'-bis(2-chloroethyl)-
U165	91-20-3	Naphthalene
U047	91-58-7	Naphthalene, 2-chloro-
U166	130-15-4	1,4-Naphthalenedione
U236	72-57-1	2,7-Naphthalenedisulfonic acid, 3,3'-[(3,3'-dimethyl[1,1'-biphenyl]-4,4'-diyl)bis(azo)bis[5-amino-4-hydroxy]-, tetrasodium salt
U166	130-15-4	1,4-Naphthoquinone
U167	134-32-7	alpha-Naphthylamine
U168	91-59-8	beta-Naphthylamine
U217	10102-45-1	Nitric acid, thallium(1+) salt
U169	98-95-3	Nitrobenzene (I,T)
U170	100-02-7	p-Nitrophenol
U171	79-46-9	2-Nitropropane (I,T)
U172	924-16-3	N-Nitrosodi-n-butylamine

Hazardous waste No.	Chemical abstracts No.	Substance
U173	1116-54-7	N-Nitrosodiethanolamine
U174	55-18-5	N-Nitrosodiethylamine
U176	759-73-9	N-Nitroso-N-ethylurea
U177	684-93-5	N-Nitroso-N-methylurea
U178	615-53-2	N-Nitroso-N-methylurethane
U179	100-75-4	N-Nitrosopiperidine
U180	930-55-2	N-Nitrosopyrrolidine
U181	99-55-8	5-Nitro-o-toluidine
U193	1120-71-4	1,2-Oxathiolane, 2,2-dioxide
U058	50-18-0	2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl)tetrahydro-, 2-oxide
U115	75-21-8	Oxirane (I,T)
U126	765-34-4	Oxiranecarboxyaldehyde
U041	106-89-8	Oxirane, (chloromethyl)-
2	123-63-7	Paraldehyde
U183	608-93-5	Pentachlorobenzene
U184	76-01-7	Pentachloroethane
U185	82-68-8	Pentachloronitrobenzene (PCNB)
See F027	87-86-5	Pentachlorophenol
U161	108-10-1	Pentanol, 4-methyl-
U186	504-60-9	1,3-Pentadiene (I)
U187	62-44-2	Phenacetin
U188	108-95-2	Phenol
U048	95-57-8	Phenol, 2-chloro-
U039	59-50-7	Phenol, 4-chloro-3-methyl-
U081	120-83-2	Phenol, 2,4-dichloro-
U082	87-65-0	Phenol, 2,6-dichloro-
U089	56-53-1	Phenol, 4,4'-(1,2-diethyl-1,2-ethenediyl)bis-, (E)-
U101	105-67-9	Phenol, 2,4-dimethyl-
U052	1319-77-3	Phenol, methyl-
U132	70-30-4	Phenol, 2,2'-methylenebis[3,4,6-trichloro-
U170	100-02-7	Phenol, 4-nitro-
See F027	87-86-5	Phenol, pentachloro-
See F027	58-90-2	Phenol, 2,3,4,6-tetrachloro-
See F027	95-95-4	Phenol, 2,4,5-trichloro-
See F027	88-06-2	Phenol, 2,4,6-trichloro-
U150	148-82-3	L-Phenylalanine, 4-[bis(2-chloroethyl)amino]-
U145	7446-27-7	Phosphoric acid, lead(2+) salt (2:3)
U087	3288-58-2	Phosphorodithioic acid, O,O-diethyl S-methyl ester
U189	1314-80-3	Phosphorus sulfide (R)
U190	85-44-9	Phthalic anhydride
U191	109-06-8	2-Picoline
U179	100-75-4	Piperidine, 1-nitroso-
U192	23950-58-5	Pronamide
U194	107-10-8	1-Propanamine (I,T)
U111	621-64-7	1-Propanamine, N-nitroso-N-propyl-
U110	142-84-7	1-Propanamine, N-propyl- (I)
U066	96-12-8	Propane, 1,2-dibromo-3-chloro-
U083	78-87-5	Propane, 1,2-dichloro-
U149	109-77-3	Propanedinitrile
U171	79-46-9	Propane, 2-nitro- (I,T)
U027	108-60-1	Propane, 2,2'-oxybis[2-chloro-
U193	1120-71-4	1,3-Propane sultone
See F027	93-72-1	Propanoic acid, 2-(2,4,5-trichlorophenoxy)-
U235	126-72-7	1-Propanol, 2,3-dibromo-, phosphate (3:1)
U140	78-83-1	1-Propanol, 2-methyl- (I,T)
U002	67-64-1	2-Propanone (I)
U007	79-06-1	2-Propenamide
U084	542-75-6	1-Propene, 1,3-dichloro-
U243	1888-71-7	1-Propene, 1,1,2,3,3,3-hexachloro-
U009	107-13-1	2-Propenenitrile
U152	126-98-7	2-Propenenitrile, 2-methyl- (I,T)
U008	79-10-7	2-Propenoic acid (I)
U113	140-88-5	2-Propenoic acid, ethyl ester (I)
U118	97-63-2	2-Propenoic acid, 2-methyl-, ethyl ester
U162	80-62-6	2-Propenoic acid, 2-methyl-, methyl ester (I,T)

Hazardous waste No.	Chemical abstracts No.	Substance
U194	107-10-8	n-Propylamine (I,T)
U083	78-87-5	Propylene dichloride
U148	123-33-1	3,6-Pyridazinedione, 1,2-dihydro-
U196	110-86-1	Pyridine
U191	109-06-8	Pyridine, 2-methyl-
U237	66-75-1	2,4-(1H,3H)-Pyrimidinedione, 5-[bis(2-chloroethyl)amino]-
U164	56-04-2	4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo-
U180	930-55-2	Pyrrolidine, 1-nitroso-
U200	50-55-5	Reserpine
U201	108-46-3	Resorcinol
U202	[1] 81-07-2	Saccharin, & salts
U203	94-59-7	Safrole
U204	7783-00-8	Selenious acid
U204	7783-00-8	Selenium dioxide
U205	7488-56-4	Selenium sulfide
U205	7488-56-4	Selenium sulfide SeS_2 (R,T)
U015	115-02-6	L-Serine, diazoacetate (ester)
See F027	93-72-1	Silvex (2,4,5-TP)
U206	18883-66-4	Streptozotocin
U103	77-78-1	Sulfuric acid, dimethyl ester
U189	1314-80-3	Sulfur phosphide (R)
See F027	93-76-5	2,4,5-T
U207	95-94-3	1,2,4,5-Tetrachlorobenzene
U208	630-20-6	1,1,1,2-Tetrachloroethane
U209	79-34-5	1,1,2,2-Tetrachloroethane
U210	127-18-4	Tetrachloroethylene
See F027	58-90-2	2,3,4,6-Tetrachlorophenol
U213	109-99-9	Tetrahydrofuran (I)
U214	563-68-8	Thallium(I) acetate
U215	6533-73-9	Thallium(I) carbonate
U216	7791-12-0	Thallium(I) chloride
U216	7791-12-0	Thallium chloride TlCl
U217	10102-45-1	Thallium(I) nitrate
U218	62-55-5	Thioacetamide
U153	74-93-1	Thiomethanol (I,T)
U244	137-26-8	Thioperoxydicarbonic diamide $[(H_2N)C(S)]_2S_2$, tetramethyl-
U219	62-56-6	Thiourea
U244	137-26-8	Thiram
U220	108-88-3	Toluene
U221	25376-45-8	Toluenediamine
U223	26471-62-5	Toluene diisocyanate (R,T)
U328	95-53-4	o-Toluidine
U353	106-49-0	p-Toluidine
U222	636-21-5	o-Toluidine hydrochloride
U011	61-82-5	1H-1,2,4-Triazol-3-amine
U227	79-00-5	1,1,2-Trichloroethane
U228	79-01-6	Trichloroethylene
U121	75-69-4	Trichloromonofluoromethane
See F027	95-95-4	2,4,5-Trichlorophenol
See F027	88-06-2	2,4,6-Trichlorophenol
U234	99-35-4	1,3,5-Trinitrobenzene (R,T)
U182	123-63-7	1,3,5-Trioxane, 2,4,6-trimethyl-
U235	126-72-7	Tris(2,3-dibromopropyl) phosphate
U236	72-57-1	Trypan blue
U237	66-75-1	Uracil mustard
U176	759-73-9	Urea, N-ethyl-N-nitroso-
U177	684-93-5	Urea, N-methyl-N-nitroso-
U043	75-01-4	Vinyl chloride
U248	[1] 81-81-2	Warfarin, & salts, when present at concentrations of 0.3% or less
U239	1330-20-7	Xylene (I)
U200	50-55-5	Yohimban-16-carboxylic acid, 11,17-dimethoxy-18-[(3,4,5-trimethoxybenzoyl)oxy]-, methyl ester, (3beta,16beta,17alpha,18beta,20alpha)-
U249	1314-84-7	Zinc phosphide Zn_3P_2, when present at concentrations of 10% or less

[1] CAS Number given for parent compound only.

Table 1 - Maximum Concentration of Contaminants for the Toxicity Characteristic

Table 1 - Maximum Concentration of Contaminants for the Toxicity Characteristic

EPA HW No.[1]	Contaminant	CAS No.[2]	Reg. Level (mg/L)
D004	Arsenic	7440-38-2	5.0
D005	Barium	7440-39-3	100.0
D018	Benzene	71-43-2	0.5
D006	Cadmium	7440-43-9	1.0
D019	Carbon Tetrachloride	56-23-5	0.5
D020	Chlordane	57-74-9	0.03
D021	Chlorobenzene	108-90-7	100.0
D022	Chloroform	67-66-3	6.0
D007	Chromium	7440-47-3	5.0
D023	o-Cresol	95-48-7	200.0[4]
D024	m-Cresol	108-39-4	200.0[4]
D025	p-Cresol	106-44-5	200.0[4]
D026	Cresol	--------	200.0[4]
D016	2,4-D	94-75-7	10.0
D027	1,4-Dichlorobenzene	106-46-7	7.5
D028	1,2-Dichloroethane	107-06-2	0.5
D029	1,1-Dichloroethylene	75-35-4	0.7
D030	2,4-Dinitrotoluene	121-14-2	0.13[3]
D012	Endrin	72-20-8	0.02
D031	Heptachlor (& epoxide)	76-44-8	0.008
D032	Hexachlorobenzene	118-74-1	0.13[3]
D033	Hexachlorobutadiene	87-68-3	0.5
D034	Hexachloroethane	67-72-1	3.0
D008	Lead	7439-92-1	5.0
D013	Lindane	58-89-9	0.4
D009	Mercury	7439-97-6	0.2
D0114	Methoxychlor	73-43-5	10.0
D035	Methyl Ethyl Ketone	78-93-3	200.0
D036	Nitrobenzene	98-95-3	2.0
D037	Pentrachlorophenol	87-86-5	100.0
D038	Pyridine	110-86-1	5.0[3]
D010	Selenium	7782-49-2	1.0
D011	Silver	7440-22-4	1.0
D039	Tetrachloroethylene	127-18-4	0.7

EPA HW No.[1]	Contaminant	CAS No.[2]	Reg. Level (mg/L)
D015	Toxaphene	8001-35-2	0.5
D040	Trichloroethylene	79-01-6	0.5
D041	2,4,5-Trichlorophenol	95-95-4	400.0
D042	2,4,6-Trichlorophenol	88-06-2	2.0
D017	2,4,5-TP (Silvex)	93-72-1	1.0
D043	Vinyl Chloride	75-01-4	0.2

[1] Hazardous Waste Number
[2] Chemical Abstracts Service Number
[3] Quantitation limit is greater than the calculated regulatory level. The quantitation limit therefore becomes the regulatory level.
[4] If o-, m-, and p-Cresol concentrations cannot be diffrentiated, the total cresol (D026) concentration is used. The regulatory level of total cresol is 200 mg/L.

List of Extremely Hazardous Substances

APPENDIX A TO PART 355—THE LIST OF EXTREMELY HAZARDOUS SUBSTANCES AND THEIR THRESHOLD PLANNING QUANTITIES

[Alphabetical Order]

CAS No.	Chemical name	Notes	Reportable quantity* (pounds)	Threshold planning quantity (pounds)
75-86-5	Acetone Cyanohydrin		10	1,000
1752-30-3	Acetone Thiosemicarbazide	e	1	1,000/10,000
107-02-8	Acrolein		1	500
79-06-1	Acrylamide	d, l	5,000	1,000/10,000
107-13-1	Acrylonitrile	d, l	100	10,000
814-68-6	Acrylyl Chloride	e, h	1	100
111-69-3	Adiponitrile	e, l	1	1,000
116-06-3	Aldicarb	c	1	100/10,000
309-00-2	Aldrin	d	1	500/10,000
107-18-6	Allyl Alcohol		100	1,000
107-11-9	Allylamine	e	1	500
20859-73-8	Aluminum Phosphide	b	100	500
54-62-6	Aminopterin	e	1	500/10,000
78-53-5	Amiton	e	1	500
3734-97-2	Amiton Oxalate	e	1	100/10,000
7664-41-7	Ammonia	l	100	500
300-62-9	Amphetamine	e	1	1,000
62-53-3	Aniline	d, l	5,000	1,000
88-05-1	Aniline, 2,4,6-Trimethyl-	e	1	500
7783-70-2	Antimony Pentafluoride	e	1	500
1397-94-0	Antimycin A	c, e	1	1,000/10,000
86-88-4	ANTU		100	500/10,000
1303-28-2	Arsenic pentoxide	d	1	100/10,000
1327-53-3	Arsenous oxide	d, h	1	100/10,000
7784-34-1	Arsenous trichloride	d	1	500
7784-42-1	Arsine	e	1	100
2642-71-9	Azinphos-Ethyl	e	1	100/10,000
86-50-0	Azinphos-Methyl		1	10/10,000
98-87-3	Benzal Chloride	d	5,000	500
98-16-8	Benzenamine, 3-(Trifluoromethyl)-	e	1	500
100-14-1	Benzene, 1-(Chloromethyl)-4-Nitro-	e	1	500/10,000
98-05-5	Benzenearsonic Acid	e	1	10/10,000
3615-21-2	Benzimidazole, 4,5-Dichloro-2-(Trifluoromethyl)-	e, g	1	500/10,000
98-07-7	Benzotrichloride	d	10	500
100-44-7	Benzyl Chloride	d	100	500
140-29-4	Benzyl Cyanide	e, h	1	500
15271-41-7	Bicyclo[2.2.1]Heptane-2-Carbonitrile, 5-Chloro-6-((((Methylamino)Carbonyl)Oxy)Imino)-, (1s-(1-alpha, 2-beta, 4-alpha, 5-alpha, 6E))-	e	1	500/10,000
534-07-6	Bis(Chloromethyl) Ketone	e	1	10/10,000
4044-65-9	Bitoscanate	e	1	500/10,000
10294-34-5	Boron Trichloride	e	1	500
7637-07-2	Boron Trifluoride	e	1	500
353-42-4	Boron Trifluoride Compound With Methyl Ether (1:1)	e	1	1,000
28772-56-7	Bromadiolone	e	1	100/10,000
7726-95-6	Bromine	e, l	1	500
1306-19-0	Cadmium Oxide	e	1	100/10,000
2223-93-0	Cadmium Stearate	c, e	1	1,000/10,000
7778-44-1	Calcium arsenate	d	1	500/10,000
8001-35-2	Camphechlor	d	1	500/10,000

APPENDIX A TO PART 355—THE LIST OF EXTREMELY HAZARDOUS SUBSTANCES AND THEIR THRESHOLD PLANNING QUANTITIES—Continued

[Alphabetical Order]

CAS No.	Chemical name	Notes	Reportable quantity* (pounds)	Threshold planning quantity (pounds)
56-25-7	Cantharidin	e	1	100/10,000
51-83-2	Carbachol Chloride	e	1	500/10,000
26419-73-8	Carbamic Acid, Methyl-, 0-(((2,4-Dimethyl-1, 3-Dithiolan-2-yl)Methylene)Amino)-	e	1	100/10,000
1563-66-2	Carbofuran		10	10/10,000
75-15-0	Carbon Disulfide	I	100	10,000
786-19-6	Carbophenothion	e	1	500
57-74-9	Chlordane	d	1	1,000
470-90-6	Chlorfenvinfos	e	1	500
7782-50-5	Chlorine		10	100
24934-91-6	Chlormephos	e	1	500
999-81-5	Chlormequat Chloride	e, h	1	100/10,000
79-11-8	Chloroacetic Acid	e	1	100/10,000
107-07-3	Chloroethanol	e	1	500
627-11-2	Chloroethyl Chloroformate	e	1	1,000
67-66-3	Chloroform	d,1	10	10,000
542-88-1	Chloromethyl ether	d, h	10	100
107-30-2	Chloromethyl methyl ether	e,d	10	100
3691-35-8	Chlorophacinone	e	1	100/10,000
1982-47-4	Chloroxuron	e	1	500/10,000
21923-23-9	Chlorthiophos	e, h	1	500
10025-73-7	Chromic Chloride	e	1	1/10,000
62207-76-5	Cobalt, ((2,2'-(1,2-Ethanediyllbis (Nitrilomethylidyne))Bis(6-Fluorophenolato))(2-)-N,N',O,O')-,	e	1	100/10,000
10210-68-1	Cobalt Carbonyl	e, h	1	10/10,000
64-86-8	Colchicine	e, h	1	10/10,000
56-72-4	Coumaphos		10	100/10,000
5836-29-3	Coumatetralyl	e	1	500/10,000
95-48-7	Cresol, o-	d	1,000	1,000/10,000
535-89-7	Crimidine	e	1	100/10,000
4170-30-3	Crotonaldehyde		100	1,000
123-73-9	Crotonaldehyde, (E)-		100	1,000
506-68-3	Cyanogen Bromide		1,000	500/10,000
506-78-5	Cyanogen Iodide	e	1	1,000/10,000
2636-26-2	Cyanophos	e	1	1,000
675-14-9	Cyanuric Fluoride	e	1	100
66-81-9	Cycloheximide	e	1	100/10,000
108-91-8	Cyclohexylamine	e, I	1	10,000
17702-41-9	Decaborane(14)	e	1	500/10,000
8065-48-3	Demeton	e	1	500
919-86-8	Demeton-S-Methyl	e	1	500
10311-84-9	Dialifor	e	1	100/10,000
19287-45-7	Diborane	e	1	100
111-44-4	Dichloroethyl ether	d	10	10,000
149-74-6	Dichloromethylphenylsilane	e	1	1,000
62-73-7	Dichlorvos		10	1,000
141-66-2	Dicrotophos	e	1	100
1464-53-5	Diepoxybutane	d	10	500
814-49-3	Diethyl Chlorophospate	e, h	1	500
1642-54-2	Diethylcarbamazine Citrate	e	1	100/10,000
71-63-6	Digitoxin	c, e	1	100/10,000
2238-07-5	Diglycidyl Ether	e	1	1,000
20830-75-5	Digoxin	e, h	1	10/10,000
115-26-4	Dimefox	e	1	500
60-51-5	Dimethoate		10	500/10,000
2524-03-0	Dimethyl Phosphorochloridothioate	e	1	500
77-78-1	Dimethyl sulfate	d	100	500
75-78-5	Dimethyldichlorosilane	e, h	1	500
57-14-7	Dimethylhydrazine	d	10	1,000
99-98-9	Dimethyl-p-Phenylenediamine	e	1	10/10,000
644-64-4	Dimetilan	e	1	500/10,000
534-52-1	Dinitrocresol		10	10/10,000
88-85-7	Dinoseb		1,000	100/10,000
1420-07-1	Dinoterb	e	1	500/10,000
78-34-2	Dioxathion	e	1	500
82-66-6	Diphacinone	e	1	10/10,000
152-16-9	Diphosphoramide, Octamethyl-		100	100
298-04-4	Disulfoton		1	500

APPENDIX A TO PART 355—THE LIST OF EXTREMELY HAZARDOUS SUBSTANCES AND THEIR THRESHOLD PLANNING QUANTITIES—Continued

[Alphabetical Order]

CAS No.	Chemical name	Notes	Reportable quantity* (pounds)	Threshold planning quantity (pounds)
514-73-8	Dithiazanine Iodide	e	1	500/10,000
541-53-7	Dithiobiuret		100	100/10,000
316-42-7	Emetine, Dihydrochloride	e, h	1	1/10,000
115-29-7	Endosulfan		1	10/10,000
2778-04-3	Endothion	e	1	500/10,000
72-20-8	Endrin		1	500/10,000
106-89-8	Epichlorohydrin	d, 1	100	1,000
2104-64-5	EPN	e	1	100/10,000
50-14-6	Ergocalciferol	c, e	1	1,000/10,000
379-79-3	Ergotamine Tartrate	e	1	500/10,000
1622-32-8	Ethanesulfonyl Chloride, 2-Chloro-	e	1	500
10140-87-1	Ethanol, 1,2-Dichloro-, Acetate	e	1	1,000
563-12-2	Ethion		10	1,000
13194-48-4	Ethoprophos	e	1	1,000
538-07-8	Ethylbis(2-Chloroethyl)Amine	e, h	1	500
371-62-0	Ethylene Fluorohydrin	c, e, h	1	10
75-21-8	Ethylene oxide	d, 1	10	1,000
107-15-3	Ethylenediamine		5,000	10,000
151-56-4	Ethyleneimine	d	1	500
542-90-5	Ethylthiocyanate	e	1	10,000
22224-92-6	Fenamiphos	e	1	10/10,000
122-14-5	Fenitrothion	e	1	500
115-90-2	Fensulfothion	e, h	1	500
4301-50-2	Fluenetil	e	1	100/10,000
7782-41-4	Fluorine	k	10	500
640-19-7	Fluoroacetamide	j	100	100/10,000
144-49-0	Fluoroacetic Acid	e	1	10/10,000
359-06-8	Fluoroacetyl Chloride	c, e	1	10
51-21-8	Fluorouracil	e	1	500/10,000
944-22-9	Fonofos	e	1	500
50-00-0	Formaldehyde	d, 1	100	500
107-16-4	Formaldehyde Cyanohydrin	e, h	1	1,000
23422-53-9	Formetanate Hydrochloride	e, h	1	500/10,000
2540-82-1	Formothion	e	1	100
17702-57-7	Formparanate	e	1	100/10,000
21548-32-3	Fosthietan	e	1	500
3878-19-1	Fuberidazole	e	1	100/10,000
110-00-9	Furan		100	500
13450-90-3	Gallium Trichloride	e	1	500/10,000
77-47-4	Hexachlorocyclopentadiene	d, h	10	100
4835-11-4	Hexamethylenediamine, N,N'-Dibutyl-	e	1	500
302-01-2	Hydrazine	d	1	1,000
74-90-8	Hydrocyanic Acid		10	100
7647-01-0	Hydrogen chloride (gas only)	e, 1	5,000	500
7664-39-3	Hydrogen Fluoride		100	100
7722-84-1	Hydrogen Peroxide (Conc >52%)	e, l	1	1,000
7783-07-5	Hydrogen Selenide	e	1	10
7783-06-4	Hydrogen Sulfide	l	100	500
123-31-9	Hydroquinone	l	1	500/10,000
13463-40-6	Iron, Pentacarbonyl-	e	1	100
297-78-9	Isobenzan	e	1	100/10,000
78-82-0	Isobutyronitrile	e, h	1	1,000
102-36-3	Isocyanic Acid, 3,4-Dichlorophenyl Ester	e	1	500/10,000
465-73-6	Isodrin		1	100/10,000
55-91-4	Isofluorphate	c	100	100
4098-71-9	Isophorone Diisocyanate	b, e	1	100
108-23-6	Isopropyl Chloroformate	e	1	1,000
119-38-0	Isopropylmethylpyrazolyl Dimethylcarbamate	e	1	500
78-97-7	Lactonitrile	e	1	1,000
21609-90-5	Leptophos	e	1	500/10,000
541-25-3	Lewisite	c, e, h	1	10
58-89-9	Lindane	d	1	1,000/10,000
7580-67-8	Lithium Hydride	b, e	1	100
109-77-3	Malononitrile		1,000	500/10,000
12108-13-3	Manganese, Tricarbonyl Methylcyclopentadienyl	e, h	1	100
51-75-2	Mechlorethamine	c, e	1	10
950-10-7	Mephosfolan	e	1	500
1600-27-7	Mercuric Acetate	e	1	500/10,000

APPENDIX A TO PART 355—THE LIST OF EXTREMELY HAZARDOUS SUBSTANCES AND THEIR THRESHOLD PLANNING QUANTITIES—Continued

[Alphabetical Order]

CAS No.	Chemical name	Notes	Reportable quantity* (pounds)	Threshold planning quantity (pounds)
7487-94-7	Mercuric Chloride	e	1	500/10,000
21908-53-2	Mercuric Oxide	e	1	500/10,000
10476-95-6	Methacrolein Diacetate	e	1	1,000
760-93-0	Methacrylic Anhydride	e	1	500
126-98-7	Methacrylonitrile	h	1,000	500
920-46-7	Methacryloyl Chloride	e	1	100
30674-80-7	Methacryloyloxyethyl Isocyanate	e, h	1	100
10265-92-6	Methamidophos	e	1	100/10,000
558-25-8	Methanesulfonyl Fluoride	e	1	1,000
950-37-8	Methidathion	e	1	500/10,000
2032-65-7	Methiocarb		10	500/10,000
16752-77-5	Methomyl	h	100	500/10,000
151-38-2	Methoxyethylmercuric Acetate	e	1	500/10,000
80-63-7	Methyl 2-Chloroacrylate	e	1	500
74-83-9	Methyl Bromide	l	1,000	1,000
79-22-1	Methyl Chloroformate	d, h	1,000	500
60-34-4	Methyl Hydrazine		10	500
624-83-9	Methyl Isocyanate		10	500
556-61-6	Methyl Isothiocyanate	b, e	1	500
74-93-1	Methyl Mercaptan	l	100	500
3735-23-7	Methyl Phenkapton	e	1	500
676-97-1	Methyl Phosphonic Dichloride	b, e	1	100
556-64-9	Methyl Thiocyanate	e	1	10,000
78-94-4	Methyl Vinyl Ketone	e	1	10
502-39-6	Methylmercuric Dicyanamide	e	1	500/10,000
75-79-6	Methyltrichlorosilane	e, h	1	500
1129-41-5	Metolcarb	e	1	100/10,000
7786-34-7	Mevinphos		10	500
315-18-4	Mexacarbate		1,000	500/10,000
50-07-7	Mitomycin C	d	10	500/10,000
6923-22-4	Monocrotophos	e	1	10/10,000
2763-94-4	Muscimol		1,000	500/10,000
505-60-2	Mustard Gas	e, h	1	500
13463-39-3	Nickel carbonyl	d	10	1
54-11-5	Nicotine	c	100	100
65-30-5	Nicotine sulfate	e	100	100/10,000
7697-37-2	Nitric Acid		1,000	1,000
10102-43-9	Nitric Oxide	c	10	100
98-95-3	Nitrobenzene	l	1,000	10,000
1122-60-7	Nitrocyclohexane	e	1	500
10102-44-0	Nitrogen Dioxide		10	100
62-75-9	Nitrosodimethylamine	d, h	10	1,000
991-42-4	Norbormide	e	1	100/10,000
0	Organorhodium Complex (PMN-82-147)	e	1	10/10,000
630-60-4	Ouabain	c, e	1	100/10,000
23135-22-0	Oxamyl	e	1	100/10,000
78-71-7	Oxetane, 3,3-Bis(Chloromethyl)-	1	e	500
2497-07-6	Oxydisulfoton	e, h	1	500
10028-15-6	Ozone	e	1	100
1910-42-5	Paraquat	e	1	10/10,000
2074-50-2	Paraquat Methosulfate	e	1	10/10,000
56-38-2	Parathion	c, d	10	100
298-00-0	Parathion-Methyl	c	100	100/10,000
12002-03-8	Paris Green	d	1	500/10,000
19624-22-7	Pentaborane	e	1	500
2570-26-5	Pentadecylamine	e	1	100/10,000
79-21-0	Peracetic Acid	e	1	500
594-42-3	Perchloromethylmercaptan		100	500
108-95-2	Phenol		1,000	500/10,000
4418-66-0	Phenol, 2,2'-Thiobis(4-Chloro-6-Methyl)-	e	1	100/10,000
64-00-6	Phenol, 3-(1-Methylethyl)-, Methylcarbamate	e	1	500/10,000
58-36-6	Phenoxarsine, 10,10'-Oxydi-	e	1	500/10,000
696-28-6	Phenyl Dichloroarsine	d, h	1	500
59-88-1	Phenylhydrazine Hydrochloride	e	1	1,000/10,000
62-38-4	Phenylmercury Acetate		100	500/10,000
2097-19-0	Phenylsilatrane	e, h	1	100/10,000
103-85-5	Phenylthiourea		108	100/10,000
298-02-2	Phorate		10	10

APPENDIX A TO PART 355—THE LIST OF EXTREMELY HAZARDOUS SUBSTANCES AND THEIR THRESHOLD PLANNING QUANTITIES—Continued

[Alphabetical Order]

CAS No.	Chemical name	Notes	Reportable quantity* (pounds)	Threshold planning quantity (pounds)
4104-14-7	Phosacetim	e	1	100/10,000
947-02-4	Phosfolan	e	1	100/10,000
75-44-5	Phosgene	l	10	10
732-11-6	Phosmet	e	1	10/10,000
13171-21-6	Phosphamidon	e	1	100
7803-51-2	Phosphine		100	500
2703-13-1	Phosphonothioic Acid, Methyl-, O-Ethyl O-(4-(Methylthio)Phenyl) Ester	e	1	500
50782-69-9	Phosphonothioic Acid, Methyl-, S-(2-(Bis(1-Methylethyl)Amino)Ethyl O-Ethyl Ester	e	1	100
2665-30-7	Phosphonothioic Acid, Methyl-, O-(4-Nitrophenyl) O-Phenyl Ester	e	1	500
3254-63-5	Phosphoric Acid, Dimethyl 4-(Methylthio) Phenyl Ester	e	1	500
2587-90-8	Phosphorothioic Acid, O,O-Dimethyl-S-(2-Methylthio) Ethyl Ester	c, e, g	1	500
7723-14-0	Phosphorus	b, h	1	100
10025-87-3	Phosphorus Oxychloride	d	1,000	500
10026-13-8	Phosphorus Pentachloride	b, e	1	500
1314-56-3	Phosphorus Pentoxide	b, e	1	10
7719-12-2	Phosphorus Trichloride		1,000	1,000
57-47-6	Physostigmine	e	1	100/10,000
57-64-7	Physostigmine, Salicylate (1:1)	e	1	100/10,000
124-87-8	Picrotoxin	e	1	500/10,000
110-89-4	Piperidine	e	1	1,000
23505-41-1	Pirimifos-Ethyl	e	1	1,000
10124-50-2	Potassium arsenite	d	1	500/10,000
151-50-8	Potassium Cyanide	b	10	100
506-61-6	Potassium Silver Cyanide	b	1	500
2631-37-0	Promecarb	e, h	1	500/10,000
106-96-7	Propargyl Bromide	e	1	10
57-57-8	Propiolactone, Beta-	e	1	500
107-12-0	Propionitrile		10	500
542-76-7	Propionitrile, 3-Chloro-		1,000	1,000
70-69-9	Propiophenone, 4-Amino-	e, g	1	100/10,000
109-61-5	Propyl Chloroformate	e	1	500
75-56-9	Propylene Oxide	l	100	10,000
75-55-8	Propyleneimine	d	1	10,000
2275-18-5	Prothoate	e	1	100/10,000
129-00-0	Pyrene	c	5,000	1,000/10,000
140-76-1	Pyridine, 2-Methyl-5-Vinyl-	e	1	500
504-24-5	Pyridine, 4-Amino-	h	1,000	500/10,000
1124-33-0	Pyridine, 4-Nitro-, 1-Oxide	e	1	500/10,000
53558-25-1	Pyriminil	e, h	1	100/10,000
14167-18-1	Salcomine	e	1	500/10,000
107-44-8	Sarin	e, h	1	10
7783-00-8	Selenious Acid		10	1,000/10,000
7791-23-3	Selenium Oxychloride	e	1	500
563-41-7	Semicarbazide Hydrochloride	e	1	1,000/10,000
3037-72-7	Silane, (4-Aminobutyl)Diethoxymethyl-	e	1	1,000
7631-89-2	Sodium Arsenate	d	1,000	1,000/10,000
7784-46-5	Sodium arsenite	d	1	500/10,000
26628-22-8	Sodium Azide (Na(N3))	b	1,000	500
124-65-2	Sodium Cacodylate	e	1	100/10,000
143-33-9	Sodium Cyanide (Na(CN))	b	10	100
62-74-8	Sodium Fluoroacetate		10	10/10,000
13410-01-0	Sodium Selenate	e	1	100/10,000
10102-18-8	Sodium Selenite	h	100	100/10,000
10102-20-2	Sodium Tellurite	e	1	500/10,000
900-95-8	Stannane, Acetoxytriphenyl-	e, g	1	500/10,000
57-24-9	Strychnine	c	10	100/10,000
60-41-3	Strychnine sulfate	e	10	100/10,000
3689-24-5	Sulfotep		100	500
3569-57-1	Sulfoxide, 3-Chloropropyl Octyl	e	1	500
7446-09-5	Sulfur Dioxide	e, l	1	500
7783-60-0	Sulfur Tetrafluoride	e	1	100
7446-11-9	Sulfur Trioxide	b, e	1	100
7664-93-9	Sulfuric Acid		1,000	1,000
77-81-6	Tabun	c, e, h	1	10
13494-80-9	Tellurium	e	1	500/10,000
7783-80-4	Tellurium Hexafluoride	e, k	1	100

APPENDIX A TO PART 355—THE LIST OF EXTREMELY HAZARDOUS SUBSTANCES AND THEIR THRESHOLD PLANNING QUANTITIES—Continued

[Alphabetical Order]

CAS No.	Chemical name	Notes	Reportable quantity* (pounds)	Threshold planning quantity (pounds)
107-49-3	TEPP		10	100
13071-79-9	Terbufos	e, h	1	100
78-00-2	Tetraethyllead	c, d	10	100
597-64-8	Tetraethyltin	c, e	1	100
75-74-1	Tetramethyllead	c, e, l	1	100
509-14-8	Tetranitromethane		10	500
10031-59-1	Thallium Sulfate	h	100	100/10,000
6533-73-9	Thallous Carbonate	c, h	100	100/10,000
7791-12-0	Thallous Chloride	c, h	100	100/10,000
2757-18-8	Thallous Malonate	c, e, h	1	100/10,000
7446-18-6	Thallous Sulfate		100	100/10,000
2231-57-4	Thiocarbazide	e	1	1,000/10,000
39196-18-4	Thiofanox		100	100/10,000
297-97-2	Thionazin		100	500
108-98-5	Thiophenol		100	500
79-19-6	Thiosemicarbazide		100	100/10,000
5344-82-1	Thiourea, (2-Chlorophenyl)-		100	100/10,000
614-78-8	Thiourea, (2-Methylphenyl)-	e	1	500/10,000
7550-45-0	Titanium Tetrachloride	e	1	100
584-84-9	Toluene 2,4-Diisocyanate		100	500
91-08-7	Toluene 2,6-Diisocyanate		100	100
110-57-6	Trans-1,4-Dichlorobutene	e	1	500
1031-47-6	Triamiphos	e	1	500/10,000
24017-47-8	Triazofos	e	1	500
76-02-8	Trichloroacety Chloride	e	1	500
115-21-9	Trichloroethylsilane	e, h	1	500
327-98-0	Trichloronate	e, k	1	500
98-13-5	Trichlorophenylsilane	e, h	1	500
1558-25-4	Trichloro(Chloromethyl)Silane	e	1	100
27137-85-5	Trichloro(Dichlorophenyl)Silane	e	1	500
998-30-1	Triethoxysilane	e	1	500
75-77-4	Trimethylchlorosilane	e	1	1,000
824-11-3	Trimethylolpropane Phosphite	e, h	1	100/10,000
1066-45-1	Trimethyltin Chloride	e	1	500/10,000
639-58-7	Triphenyltin Chloride	e	1	500/10,000
555-77-1	Tris(2-Chloroethyl)Amine	e, h	1	100
2001-95-8	Valinomycin	c, e	1	1,000/10,000
1314-62-1	Vanadium Pentoxide		1,000	100/10,000
108-05-4	Vinyl Acetate Monomer	d, l	5,000	1,000
81-81-2	Warfarin		100	500/10,000
129-06-6	Warfarin sodium	e, h	100	100/10,000
28347-13-9	Xylylene Dichloride	e	1	100/10,000
58270-08-9	Zinc, Dichloro(4,4-Dimethyl-5((((Methylamino) Carbonyl)Oxy)Imino)Pentanenitrile)-,(T-4)-	e	1	100/10,000
1314-84-7	Zinc Phosphide	b	100	500

*Only the statutory or final RQ is shown. For more information, see 40 CFR Table 302.4

Notes:

a This chemical does not meet acute toxicity criteria. Its TPQ is set at 10,000 pounds.

b This material is a reactive solid. The TPQ does not default to 10,000 pounds for non-powder, non-molten, non-solution form.

c The calculated TPQ changed after technical review as described in the technical support document.

d Indicates that the RQ is subject to change when the assessment of potential carcinogenicity and/or other toxicity is completed.

e Statutory reportable quantity for purposes of notification under SARA sect 304(a)(2).

f [Reserved]

g New chemicals added that were not part of the original list of 402 substances.

h Revised TPQ based on new or re-evaluated toxicity data.

j TPQ is revised to its calculated value and does not change due to technical review as in proposed rule.

k The TPQ was revised after proposal due to calculation error.

l Chemicals on the original list that do not meet toxicity criteria but because of their high production volume and recognized toxicity are considered chemicals of concern ("Other chemicals").

[52 FR 13395, Apr. 22, 1987; 52 FR 15321, 15412, Apr. 28, 1987; 52 FR 48073-48074, Dec. 17, 1987; 53 FR 5575, Feb. 25, 1988; 54 FR 43165, Oct. 20, 1989; 54 FR 53063, Dec. 27, 1989; 55 FR 5546, Feb. 15, 1990; 58 FR 35330, June 30, 1993]

EFFECTIVE DATE NOTE: At 58 FR 35330, June 30, 1993 appendix A to part 355 was amended by removing and reserving footnote f and by revising the entry for Methyl Isocyanate, effective July 30, 1993. For the convenience of the reader, the superseded text is set forth below.

APPENDIX A TO PART 355—THE LIST OF EXTREMELY HAZARDOUS SUBSTANCES AND THEIR THRESHOLD PLANNING QUANTITIES

[Alphabetical Order]

CAS No.	Chemical name	Notes	Reportable quantity* (pounds)	Threshold planning quantity (pounds)
	* * * * *			
624-83-9	Methyl Isocyanate	f	1	500
	* * * * *			

f The statutory 1 pound reportable quantity for methyl isocyanate may be adjusted in a future rulemaking action.

APPENDIX B TO PART 355—THE LIST OF EXTREMELY HAZARDOUS SUBSTANCES AND THEIR THRESHOLD PLANNING QUANTITIES

[CAS Number Order]

CAS No.	Chemical name	Notes	Reportable quantity* (pounds)	Threshold planning quantity (pounds)
0	Organorhodium Complex (PMN-82-147)	e	1	10/10,000
50-00-0	Formaldehyde	d,1	100	500
50-07-0	Mitomycin C	d	10	500/10,000
50-14-6	Ergocalciferol	c, e	1	1,000/10,000
51-21-8	Fluorouracil	e	1	500/10,000
51-75-2	Mechlorethamine	c, e	1	10
51-83-2	Carbachol Chloride	e	1	500/10,000
54-11-5	Nicotine	c	100	100
54-62-6	Aminopterin	e	1	500/10,000
55-91-4	Isofluorphate	c	100	100
56-25-7	Cantharidin	e	1	100/10,000
56-38-2	Parathion	c,d	10	100
56-72-4	Coumaphos		10	100/10,000
57-14-7	Dimethylhydrazine	d	10	1,000
57-24-9	Strychnine	c	10	100/10,000
57-47-6	Physostigmine	e	1	100/10,000
57-57-8	Propiolactone, Beta-	e	1	500
57-64-7	Physostigmine, Salicylate (1:1)	e	1	100/10,000
57-74-9	Chlordane	d	1	1,000
58-36-6	Phenoxarsine, 10,10'-Oxydi-	e	1	500/10,000
58-89-9	Lindane	d	1	1,000/10,000
59-88-1	Phenylhydrazine Hydrochloride	e	1	1,000/10,000
60-34-4	Methyl Hydrazine		10	500
60-41-3	Strychnine sulfate	e	10	100/10,000
60-51-5	Dimethoate		10	500/10,000
62-38-4	Phenylmercury Acetate		100	500/10,000
62-53-3	Aniline	d, l	5,000	1,000
62-73-7	Dichlorvos		10	1,000
62-74-8	Sodium Fluoroacetate		10	10/10,000
62-75-9	Nitrosodimethylamine	d,h	10	1,000
64-00-6	Phenol, 3-(1-Methylethyl)-, Methylcarbamate	e	1	500/10,000
64-86-8	Colchicine	e, h	1	10/10,000
65-30-5	Nicotine sulfate	e	100	100/10,000
66-81-9	Cycloheximide	e	1	100/10,000
67-66-3	Chloroform	d,l	10	10,000
70-69-9	Propiophenone, 4-Amino-	e, g	1	100/10,000
71-63-6	Digitoxin	c, e	1	100/10,000
72-20-8	Endrin		1	500/10,000
74-83-9	Methyl bromide	l	1,000	1,000
74-90-8	Hydrocyanic Acid		10	100
74-93-1	Methyl Mercaptan	l	100	500
75-15-0	Carbon Disulfide	l	100	10,000
75-21-8	Ethylene oxide	d,l	10	1,000
75-44-5	Phosgene	l	10	10
75-55-8	Propyleneimine	d	1	10,000
75-56-9	Propylene Oxide	l	100	10,000
75-74-1	Tetramethyllead	c, e, l	1	100
75-77-4	Trimethylchlorosilane	e	1	1,000
75-78-5	Dimethyldichlorosilane	e, h	1	500
75-79-6	Methyltrichlorosilane	e, h	1	500

APPENDIX B TO PART 355—THE LIST OF EXTREMELY HAZARDOUS SUBSTANCES AND THEIR THRESHOLD PLANNING QUANTITIES—Continued

[CAS Number Order]

CAS No.	Chemical name	Notes	Reportable quantity* (pounds)	Threshold planning quantity (pounds)
75-86-5	Acetone Cyanohydrin		10	1,000
76-02-8	Trichloroacetyl Chloride	e	1	500
77-47-4	Hexachlorocyclopentadiene	d,h	10	100
77-78-1	Dimethyl sulfate	d	100	500
77-78-1	Dimethyl Sulfate	d	1	500
77-81-6	Tabun	c, e, h	1	10
78-00-2	Tetraethyllead	c, d	10	100
78-34-2	Dioxathion	e	1	500
78-53-5	Amiton	e	1	500
78-71-7	Oxetane, 3,3-Bis(Chloromethyl)-	e	1	500
78-82-0	Isobutyronitrile	e, h	1	1,000
78-94-4	Methyl Vinyl Ketone	e	1	10
78-97-7	Lactonitrile	e	1	1,000
79-06-1	Acrylamide	d, l	5,000	1,000/10,000
79-11-8	Chloroacetic Acid	e	1	100/10,000
79-19-6	Thiosemicarbazide		100	100/10,000
79-21-0	Peracetic Acid	e	1	500
79-22-1	Methyl Chloroformate	d, h	1,000	500
80-63-7	Methyl 2-Chloroacrylate	e	1	500
81-81-2	Warfarin		100	500/10,000
82-66-6	Diphacinone	e	1	10/10,000
86-50-0	Azinphos-Methyl		1	10/10,000
86-88-4	ANTU		100	500/10,000
88-05-1	Aniline, 2,4,6-Trimethyl-	e	1	500
88-85-7	Dinoseb		1,000	100/10,000
91-08-7	Toluene 2,6-Diisocyanate		100	100
95-48-7	Cresol, o-	d	1,000	1,000/10,000
98-05-5	Benzenearsonic Acid	e	1	10/10,000
98-07-7	Benzotrichloride	d	10	500
98-13-5	Trichlorophenylsilane	e, h	1	500
98-16-8	Benzenamine, 3-(Trifluoromethyl)-	e	1	500
98-87-3	Benzal Chloride	d	5,000	500
98-95-3	Nitrobenzene	l	1,000	10,000
99-98-9	Dimethyl-p-Phenylenediamine	e	1	10/10,000
100-14-1	Benzene, 1-(Chloromethyl)-4-Nitro-	e	1	500/10,000
100-44-7	Benzyl Chloride	d	100	500
102-36-3	Isocyanic Acid, 3,4-Dichlorophenyl Ester	e	1	500/10,000
103-85-5	Phenylthiourea		100	100/10,000
106-89-8	Epichlorohydrin	d,l	100	1,000
106-96-7	Propargyl Bromide	e	1	10
107-02-8	Acrolein		1	500
107-07-3	Chloroethanol	e	1	500
107-11-9	Allylamine	e	1	500
107-12-0	Propionitrile		10	500
107-13-1	Acrylonitrile	d, l	100	10,000
107-15-3	Ethylenediamine		5,000	10,000
107-16-4	Formaldehyde Cyanohydrin	e, h	1	1,000
107-18-6	Allyl Alcohol		100	1,000
107-30-2	Chloromethyl methyl ether	e,d	10	100
107-44-8	Sarin	e, h	1	10
107-49-3	TEPP		10	100
108-05-4	Vinyl Acetate Monomer	d, l	5,000	1,000
108-23-6	Isopropyl Chloroformate	e	1	1,000
108-91-8	Cyclohexylamine	e, l	1	10,000
108-95-2	Phenol		1,000	500/10,000
108-98-5	Thiophenol		100	500
109-61-5	Propyl Chloroformate	e	1	500
109-77-3	Malononitrile		1,000	500/10,000
110-00-9	Furan		100	500
110-57-6	Trans-1,4-Dichlorobutene	e	1	500
110-89-4	Piperidine	e	1	1,000
111-44-4	Dichloroethyl ether	d	10	10,000
111-69-3	Adiponitrile	e, l	1	1,000
115-21-9	Trichloroethylsilane	e, h	1	500
115-26-4	Dimefox	e	1	500
115-29-7	Endosulfan		1	10/10,000
115-90-2	Fensulfothion	e, h	1	500
116-06-3	Aldicarb	c	1	100/10,000

APPENDIX B TO PART 355—THE LIST OF EXTREMELY HAZARDOUS SUBSTANCES AND THEIR THRESHOLD PLANNING QUANTITIES—Continued

[CAS Number Order]

CAS No.	Chemical name	Notes	Reportable quantity* (pounds)	Threshold planning quantity (pounds)
119-38-0	Isopropylmethylpyrazolyl Dimethylcarbamate	e	1	500
122-14-5	Fenitrothion	e	1	500
123-31-9	Hydroquinone	l	1	500/10,000
123-73-9	Crotonaldehyde, (E)-		100	1,000
124-65-2	Sodium Cacodylate	e	1	100/10,000
124-87-8	Picrotoxin	e	1	500/10,000
126-98-7	Methacrylonitrile	h	1,000	500
129-00-0	Pyrene	c	5,000	1,000/10,000
129-06-6	Warfarin sodium	e,h	100	100/10,000
140-29-4	Benzyl Cyanide	e, h	1	500
140-76-1	Pyridine, 2-Methyl-5-Vinyl-	e	1	500
141-66-2	Dicrotophos	e	1	100
143-33-9	Sodium Cyanide (Na(CN))	b	10	100
144-49-0	Fluoroacetic Acid	e	1	10/10,000
149-74-6	Dichloromethyphenylsilane	e	1	1,000
151-38-2	Methoxyethylmercuric Acetate	e	1	500/10,000
151-50-8	Potassium Cyanide	b	10	100
151-56-4	Ethyleneimine	d	1	500
152-16-9	Diphosphoramide, Octamethyl-		100	100
297-78-9	Isobenzan	e	1	100/10,000
297-97-2	Thionazin		100	500
298-00-0	Parathion-Methyl	c	100	100/10,000
298-02-2	Phorate		10	10
298-04-4	Disulfoton		1	500
300-62-9	Amphetamine	e	1	1,000
302-01-2	Hydrazine	d	1	1,000
309-00-2	Aldrin	d	1	500/10,000
315-18-4	Mexacarbate		1,000	500/10,000
316-42-7	Emetine, Dihydrochloride	e, h	1	1/10,000
327-98-0	Trichloronate	e, k	1	500
353-42-4	Boron Trifluoride Compound With Methyl Ether (1:1)	e	1	1,000
359-06-8	Fluoroacetyl Chloride	c, e	1	10
371-62-0	Ethylene Fluorohydrin	c, e, h	1	10
379-79-3	Ergotamine Tartrate	e	1	500/10,000
465-73-6	Isodrin		1	100/10,000
470-90-6	Chlorfenvinfos	e	1	500
502-39-6	Methylmercuric Dicyanamide	e	1	500/10,000
504-24-5	Pyridine, 4-Amino-	h	1,000	500/10,000
505-60-2	Mustard Gas	e, h	1	500
506-61-6	Potassium Silver Cyanide	b	1	500
506-68-3	Cyanogen Bromide		1,000	500/10,000
506-78-5	Cyanogen Iodide	e	1	1,000/10,000
509-14-8	Tetranitromethane		10	500
514-73-8	Dithiazanine Iodide	e	1	500/10,000
534-07-6	Bis(Chloromethyl) Ketone	e	1	10/10,000
534-52-1	Dinitrocresol		10	10/10,000
535-89-7	Crimidine	e	1	100/10,000
538-07-8	Ethylbis(2-Chloroethyl)Amine	e, h	1	500
541-25-3	Lewisite	c, e, h	1	10
541-53-7	Dithiobiuret		100	100/10,000
542-76-7	Propionitrile, 3-Chloro-		1,000	1,000
542-88-1	Chloromethyl ether	d,h	10	100
542-90-5	Ethylthiocyanate	e	1	10,000
555-77-1	Tris(2-Chloroethyl)Amine	e, h	1	100
556-61-6	Methyl Isothiocyanate	b, e	1	500
556-64-9	Methyl Thiocyanate	e	1	10,000
558-25-8	Methanesulfonyl Fluoride	e	1	1,000
563-12-2	Ethion		10	1,000
563-41-7	Semicarbazide Hydrochloride	e	1	1,000/10,000
584-84-9	Toluene 2,4-Diisocyanate		100	500
594-42-3	Perchloromethylmercaptan		100	500
597-64-8	Tetraethyltin	c, e	1	100
614-78-8	Thiourea, (2-Methylphenyl)-	e	1	500/10,000
624-83-9	Methyl Isocyanate		10	500
627-11-2	Chloroethyl Chloroformate	e	1	1,000
630-60-4	Quabain	c, e	1	100/10,000
639-58-7	Triphenyltin Chloride	e	1	500/10,000
640-19-7	Fluoroacetamide	j	100	100/10,000

APPENDIX B TO PART 355—THE LIST OF EXTREMELY HAZARDOUS SUBSTANCES AND THEIR THRESHOLD PLANNING QUANTITIES—Continued

[CAS Number Order]

CAS No.	Chemical name	Notes	Reportable quantity* (pounds)	Threshold planning quantity (pounds)
644-64-4	Dimetilan	e	1	500/10,000
675-14-9	Cyanuric Fluoride	e	1	100
676-97-1	Methyl Phosphonic Dichloride	b, e	1	100
696-28-6	Phenyl Dichloroarsine	d, h	1	500
732-11-6	Phosmet	e	1	10/10,000
760-93-0	Methacrylic Anhydride	e	1	500
786-19-6	Carbophenothion	e	1	500
814-49-3	Diethyl Chlorophosphate	e, h	1	500
814-68-6	Acrylyl Chloride	e, h	1	100
824-11-3	Trimethylolpropane Phosphite	e, h	1	100/10,000
900-95-8	Stannane, Acetoxytriphenyl-	e, g	1	500/10,000
919-86-8	Demeton-S-Methyl	e	1	500
920-46-7	Methacryloyl Chloride	e	1	100
944-22-9	Fonofos	e	1	500
947-02-4	Phosfolan	e	1	100/10,000
950-10-7	Mephosfolan	e	1	500
950-37-8	Methidathion	e	1	500/10,000
991-42-4	Norbormide	e	1	100/10,000
998-30-1	Triethoxysilane	e	1	500
999-81-5	Chlormequat Chloride	e, h	1	100/10,000
1031-47-6	Triamiphos	e	1	500/10,000
1066-45-1	Trimethyltin Chloride	e	1	500/10,000
1122-60-7	Nitrocyclohexane	e	1	500
1124-33-0	Pyridine, 4-Nitro-, 1-Oxide	e	1	500/10,000
1129-41-5	Metolcarb	e	1	100/10,000
1303-28-2	Arsenic pentoxide	d	1	100/10,000
1306-19-0	Cadmium Oxide	e	1	100/10,000
1314-56-3	Phosphorus Pentoxide	b, e	1	10
1314-62-1	Vanadium Pentoxide		1,000	100/10,000
1314-84-7	Zinc Phosphide	b	100	500
1327-53-3	Arsenous oxide	d,h	1	100/10,000
1397-94-0	Antimycin A	c, e	1	1,000/10,000
1420-07-1	Dinoterb	e	1	500/10,000
1464-53-5	Diepoxybutane	d	10	500
1558-25-4	Trichloro(Chloromethyl)Silane	e	1	100
1563-66-2	Carbofuran		10	10/10,000
1600-27-7	Mercuric Acetate	e	1	500/10,000
1622-32-8	Ethanesulfonyl Chloride, 2-Chloro-	e	1	500
1642-54-2	Diethylcarbamazine Citrate	e	1	100/10,000
1752-30-3	Acetone Thiosemicarbazide	e	1	1,000/10,000
1910-42-5	Paraquat	e	1	10/10,000
1982-47-4	Chloroxuron	e	1	500/10,000
2001-95-8	Valinomycin	c, e	1	1,000/10,000
2032-65-7	Methiocarb		10	500/10,000
2074-50-2	Paraquat Methosulfate	e	1	10/10,000
2097-19-0	Phenylsilatrane	e, h	1	100/10,000
2104-64-5	EPN	e	1	100/10,000
2223-93-0	Cadmium Stearate	c, e	1	1,000/10,000
2231-57-4	Thiocarbazide	e	1	1,000/10,000
2238-07-5	Diglycidyl Ether	e	1	1,000
2275-18-5	Prothoate	e	1	100/10,000
2497-07-6	Oxydisulfoton	e, h	1	500
2524-03-0	Dimethyl Phosphorochloridothioate	e	1	500
2540-82-1	Formothion	e	1	100
2570-26-5	Pentadecylamine	e	1	100/10,000
2587-90-8	Phosphorothioic Acid, O,O-Dimethyl-S-(2-Methylthio) Ethyl Ester	c, e, g	1	500
2631-37-0	Promecarb	e, h	1	500/10,000
2636-26-2	Cyanophos	e	1	1,000
2642-71-9	Azinphos-Ethyl	e	1	100/10,000
2665-30-7	Phosphonothioic Acid, Methyl-,O-(4-Nitrophenyl) O-Phenyl Ester	e	1	500
2703-13-1	Phosphonothioic Acid, Methyl-,O-Ethyl O-(4-(Methylthio)Phenyl) Ester	e	1	500
2757-18-8	Thallous Malonate	c, e, h	1	100/10,000
2763-94-4	Muscimol		1,000	500/10,000
2778-04-3	Endothion	e	1	500/10,000
3037-72-7	Silane, (4-Aminobutyl)Diethoxymethyl-	e	1	1,000
3254-63-5	Phosphoric Acid, Dimethyl 4-(Methylthio) Phenyl Ester	e	1	500
3569-57-1	Sulfoxide, 3-Chloropropyl Octyl	e	1	500

APPENDIX B TO PART 355—THE LIST OF EXTREMELY HAZARDOUS SUBSTANCES AND THEIR THRESHOLD PLANNING QUANTITIES—Continued

[CAS Number Order]

CAS No.	Chemical name	Notes	Reportable quantity* (pounds)	Threshold planning quantity (pounds)
3615-21-2	Benzimidazole, 4,5-Dichloro-2-(Trifluoromethyl)-	e, g	1	500/10,000
3689-24-5	Sulfotep		100	500
3691-35-8	Chlorophacinone	e	1	100/10,000
3734-97-2	Amiton Oxalate	e	1	100/10,000
3735-23-7	Methyl Phenkapton	e	1	500
3878-19-1	Fuberidazole	e	1	100/10,000
4044-65-9	Bitoscanate	e	1	500/10,000
4098-71-9	Isophorone Diisocyanate	b, e	1	100
4104-14-7	Phosacetim	e	1	100/10,000
4170-30-3	Crotonaldehyde		100	1,000
4301-50-2	Fluenetil	e	1	100/10,000
4418-66-0	Phenol, 2,2'-Thiobis(4-Chloro-6-Methyl)-	e	1	100/10,000
4835-11-4	Hexamethylenediamine, N,N'-Dibutyl-	e	1	500
5344-82-1	Thiourea, (2-Chlorophenyl)-		100	100/10,000
5836-29-3	Coumatetralyl	e	1	500/10,000
6533-73-9	Thallous Carbonate	c, h	100	100/10,000
6923-22-4	Monocrotophos	e	1	10/10,000
7446-09-5	Sulfur Dioxide	e, l	1	500
7446-11-9	Sulfur Trioxide	b, e	1	100
7446-18-6	Thallous Sulfate		100	100/10,000
7487-94-7	Mercuric Chloride	e	1	500/10,000
7550-45-0	Titanium Tetrachloride	e	1	100
7580-67-8	Lithium Hydride	b, e	1	100
7631-89-2	Sodium Arsenate	d	1,000	1,000/10,000
7637-07-2	Boron Trifluoride	e	1	500
7647-01-0	Hydrogen chloride	e,l	5,000	500
7664-39-3	Hydrogen Fluoride		100	100
7664-41-7	Ammonia	l	100	500
7664-93-9	Sulfuric Acid		1,000	1,000
7697-37-2	Nitric Acid		1,000	1,000
7719-12-2	Phosphorus Trichloride		1,000	1,000
7722-84-1	Hydrogen Peroxide (Conc >52%)	e, l	1	1,000
7723-14-0	Phosphorus	b, h	1	100
7726-95-6	Bromine	e, l	1	500
7778-44-1	Calcium arsenate	d	1	500/10,000
7782-41-4	Fluorine	k	10	500
7782-50-5	Chlorine		10	100
7783-00-8	Selenious Acid		10	1,000/10,000
7783-06-4	Hydrogen Sulfide	l	100	500
7783-07-5	Hydrogen Selenide	e	1	10
7783-60-0	Sulfur Tetrafluoride	e	1	100
7783-70-2	Antimony Pentafluoride	e	1	500
7783-80-4	Tellurium Hexafluoride	e, k	1	100
7784-34-1	Arsenous trichloride	d	1	500
7784-42-1	Arsine	e	1	100
7784-46-5	Sodium arsenite	d	1	500/10,000
7786-34-7	Mevinphos		10	500
7791-12-0	Thallous Chloride	c, h	100	100/10,000
7791-23-3	Selenium Oxychloride	e	1	500
7803-51-2	Phosphine		100	500
8001-35-2	Camphechlor	d	1	500/10,000
8065-48-3	Demeton	e	1	500
10025-73-7	Chromic Chloride	e	1	1/10,000
10025-87-3	Phosphorus Oxychloride	d	1,000	500
10026-13-8	Phosphorus Pentachloride	b, e	1	500
10028-15-6	Ozone	e	1	100
10031-59-1	Thallium Sulfate	h	100	100/10,000
10102-18-8	Sodium Selenite	h	100	100/10,000
10102-20-2	Sodium Tellurite	e	1	500/10,000
10102-43-9	Nitric Oxide	c	10	100
10102-44-0	Nitrogen Dioxide		10	100
10124-50-2	Potassium arsenite	d	1	500/10,000
10140-87-1	Ethanol, 1,2-Dichloro-, Acetate	e	1	1,000
10210-68-1	Cobalt Carbonyl	e, h	1	10/10,000
10265-92-6	Methamidophos	e	1	100/10,000
10294-34-5	Boron Trichloride	e	1	500
10311-84-9	Dialifor	e	1	100/10,000
10476-95-6	Methacrolein Diacetate	e	1	1,000

APPENDIX B TO PART 355—THE LIST OF EXTREMELY HAZARDOUS SUBSTANCES AND THEIR THRESHOLD PLANNING QUANTITIES—Continued

[CAS Number Order]

CAS No.	Chemical name	Notes	Reportable quantity* (pounds)	Threshold planning quantity (pounds)
12002-03-8	Paris Green	d	1	500/10,000
12108-13-3	Manganese, Tricarbonyl Methylcyclopentadienyl	e, h	1	100
13071-79-9	Terbufos	e, h	1	100
13171-21-6	Phosphamidon	e	1	100
13194-48-4	Ethoprophos	e	1	1,000
13410-01-0	Sodium Selenate	e	1	100/10,000
13450-90-3	Gallium Trichloride	e	1	500/10,000
13463-39-3	Nickel carbonyl	d	10	1
13463-40-6	Iron, Pentacarbonyl	e	1	100
13494-80-9	Tellurium	e	1	500/10,000
14167-18-1	Salcomine	e	1	500/10,000
15271-41-7	Bicyclo[2.2.1]Heptane-2-Carbonitrile, 5-Chloro-6-(((Methylamino)Carbonyl)Oxy)Imino)-, (1s-(1-alpha, 2-beta, 4-alpha, 5-alpha, 6E))-	e	1	500/10,000
16752-77-5	Methomyl	h	100	500/10,000
17702-41-9	Decaborane(14)	e	1	500/10,000
17702-57-7	Formparanate	e	1	100/10,000
19287-45-7	Diborane	e	1	100
19624-22-7	Pentaborane	e	1	500
20830-75-5	Digoxin	e, h	1	10/10,000
20859-73-8	Aluminum Phosphide	b	100	500
21548-32-3	Fosthietan	e	1	500
21609-90-5	Leptophos	e	1	500/10,000
21908-53-2	Mercuric Oxide	e	1	500/10,000
21923-23-9	Chlorthiophos	e, h	1	500
22224-92-6	Fenamiphos	e	1	10/10,000
23135-22-0	Oxamyl	e	1	100/10,000
23422-53-9	Formetanate Hydrochloride	e,h	1	500/10,000
23505-41-1	Pirimifos-Ethyl	e	1	1,000
24017-47-8	Triazofos	e	1	500
24934-91-6	Chlormephos	e	1	500
26419-73-8	Carbamic Acid, Methyl-, O-(((2,4-Dimethyl-1, 3-Dithiolan-2-yl)Methylene)Amino)-	e	1	100/10,000
26628-22-8	Sodium Azide ($Na(N_3)$)	b	1,000	500
27137-85-5	Trichloro(Dichlorophenyl)Silane	e	1	500
28347-13-9	Xylylene Dichloride	e	1	100/10,000
28772-56-7	Bromadiolone	e	1	100/10,000
30674-80-7	Methacryloyloxyethyl Isocyanate	e, h	1	100
39196-18-4	Thiofanox		100	100/10,000
50782-69-9	Phosphonothioic Acid, Methyl-, S-(2-(Bis(1-Methylethyl)Amino)Ethyl) O-Ethyl Ester	e	1	100
53558-25-1	Pyriminil	e, h	1	100/10,000
58270-08-9	Zinc, Dichloro(4,4-Dimethyl-5((((Methylamino)Carbonyl)Oxy)Imino)Pentanenitrile)-, (T-4)-	e	1	100/10,000
62207-76-5	Cobalt, ((2,2'-(1,2-Ethanediylbis(Nitrilomethylidyne))Bis(6-Fluorophenolato))(2-)-N,N',O,O')-	e	1	100/10,000

*Only the statutory or final RQ is shown. For more information, see 40 CFR Table 302.4.

Notes:

a This chemical does not meet acute toxicity criteria. Its TPQ is set at 10,000 pounds.
b This material is a reactive solid. The TPQ does not default to 10,000 pounds for non-powder, non-molten, non-solution form.
c The calculated TPQ changed after technical review as described in the technical support document.
d Indicates that the RQ is subject to change when the assessment of potential carcinogenicity and/or other toxicity is completed.
e Statutory reportable quantity for purposes of notification under SARA sect 304(a)(2).
f [Reserved]
g New chemicals added that were not part of the original list of 402 substances.
h Revised TPQ based on new or re-evaluated toxicity data.
j TPQ is revised to its calculated value and does not change due to technical review as in proposed rule.
k The TPQ was revised after proposal due to calculation error.
l Chemicals on the original list that do not meet the toxicity criteria but because of their high production volume and recognized toxicity are considered chemicals of concern ("Other chemicals").

[52 FR 13395, Apr. 22, 1987; 52 FR 15412, Apr. 28, 1987; 52 FR 48073-48074, Dec. 17, 1987; 53 FR 5575, Feb. 25, 1988; 54 FR 43165, Oct. 20, 1989; 54 FR 53064, Dec. 27, 1989; 55 FR 5546, Feb. 15, 1990; 58 FR 35330, June 30, 1993]

EFFECTIVE DATE NOTE: At 58 FR 35330, June 30, 1993 appendix B to part 355 was amended by removing and reserving footnote f and by revising the entry for Methyl Isocyanate, effective July 30, 1993. For the convenience of the reader, the superseded text is set forth below.

CAS No.	Chemical name	Notes	Reportable quantity* (pounds)	Threshold planning quantity (pounds)
	. . . . .			
624-83-9	Methyl Isocyanate	f	1	500
	. . . . .			

f The statutory 1 pound reportable quantity for methyl isocyanate may be adjusted in a future rulemaking action.

APPENDIX B:
40 CFR 260
SOLID/HAZARDOUS WASTE FLOW DIAGRAMS

FIGURE 1

DEFINITION OF A SOLID WASTE

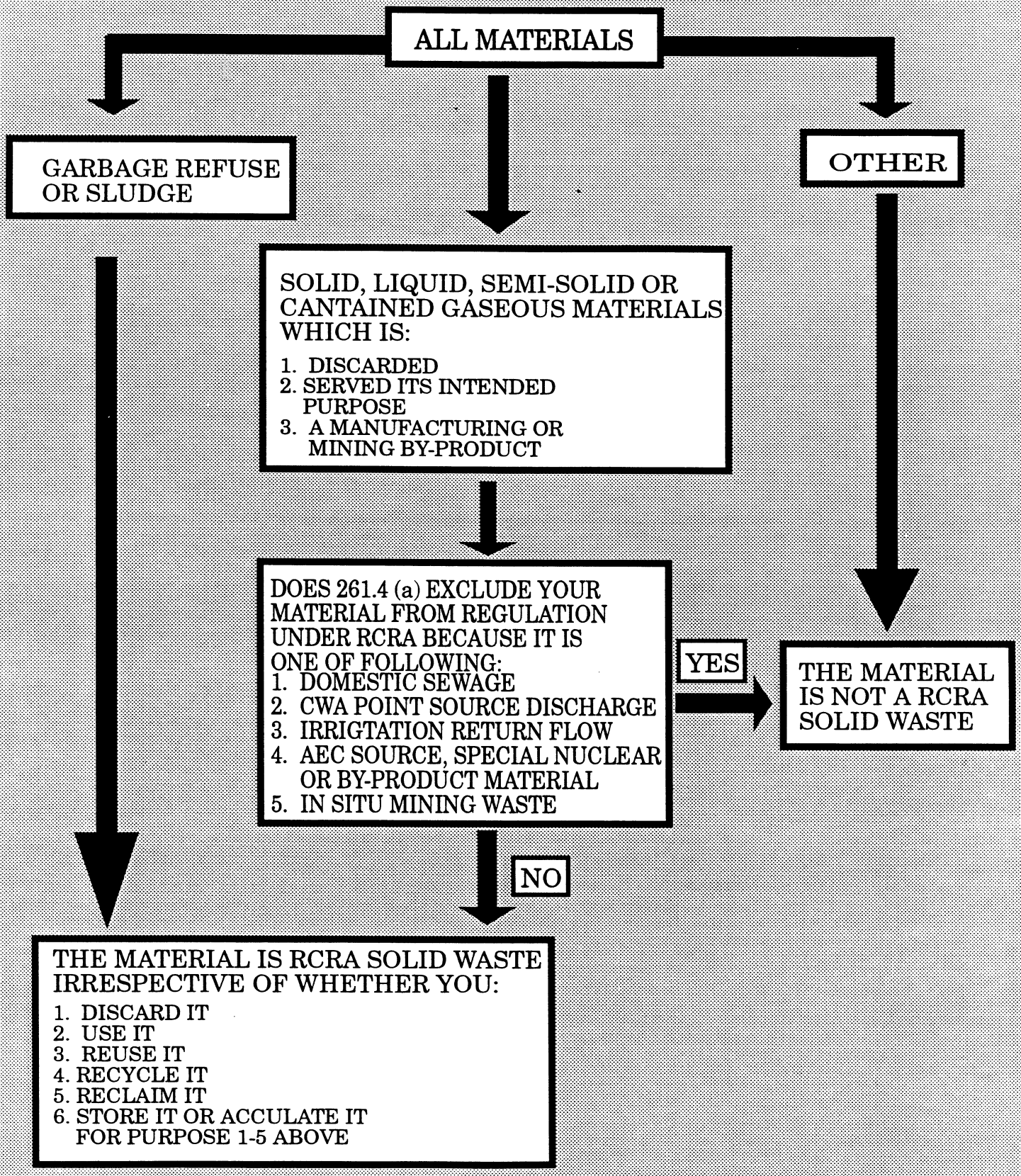


FIGURE 2

DEFINITION OF A HAZARDOUS WASTE

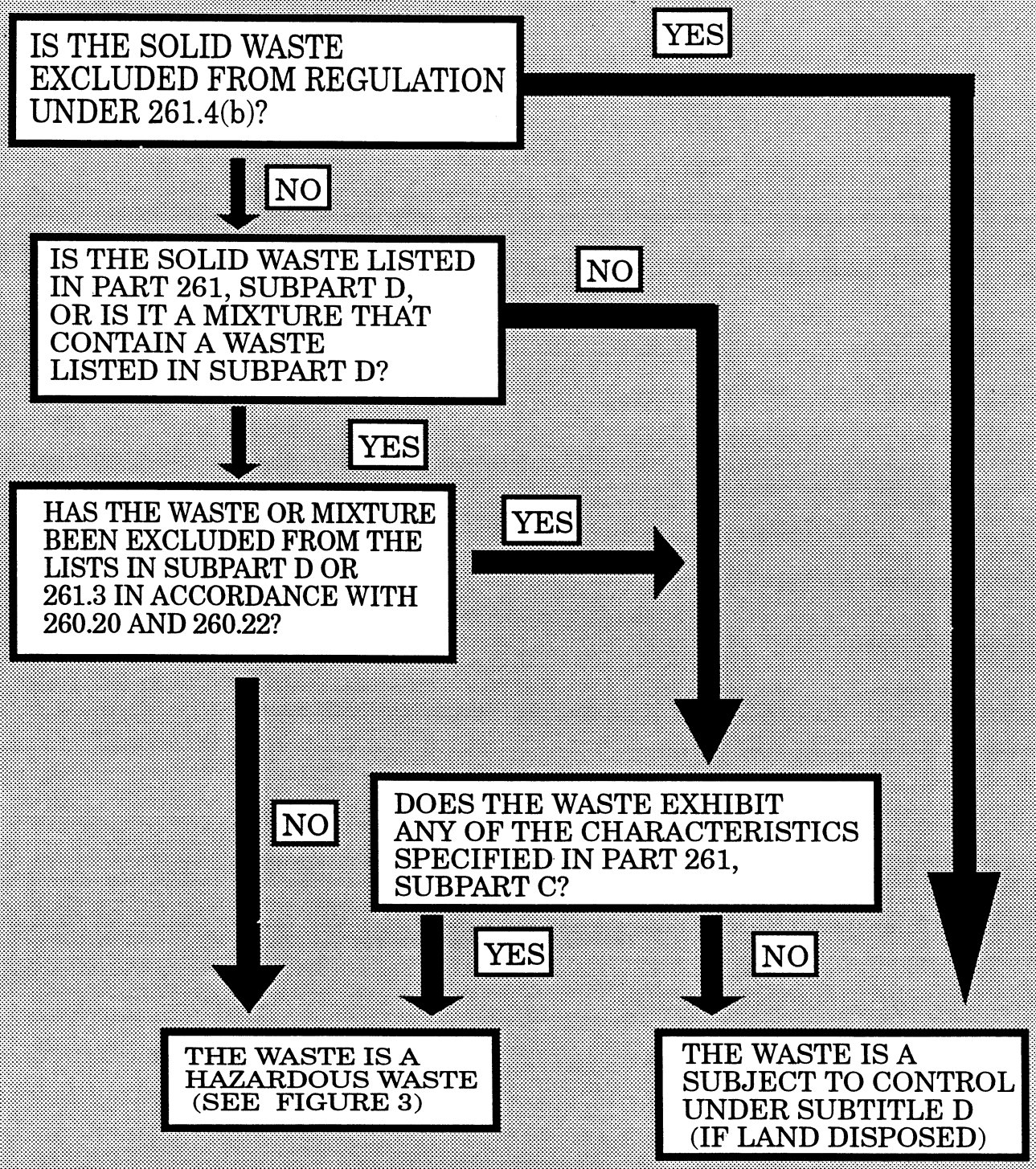


FIGURE 3

SPECIAL PROVISIONS FOR CERTAIN HAZARDOUS WASTE

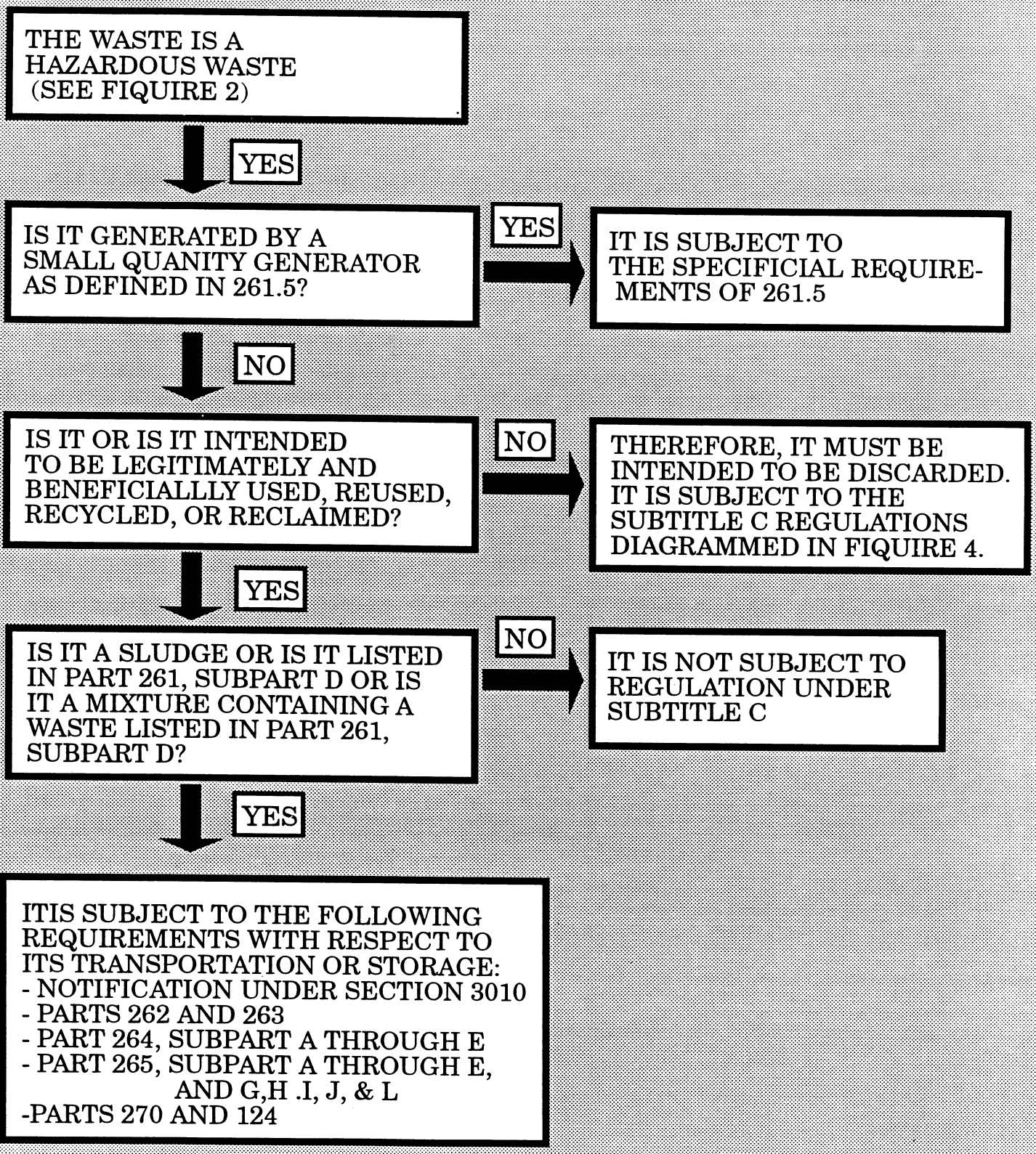
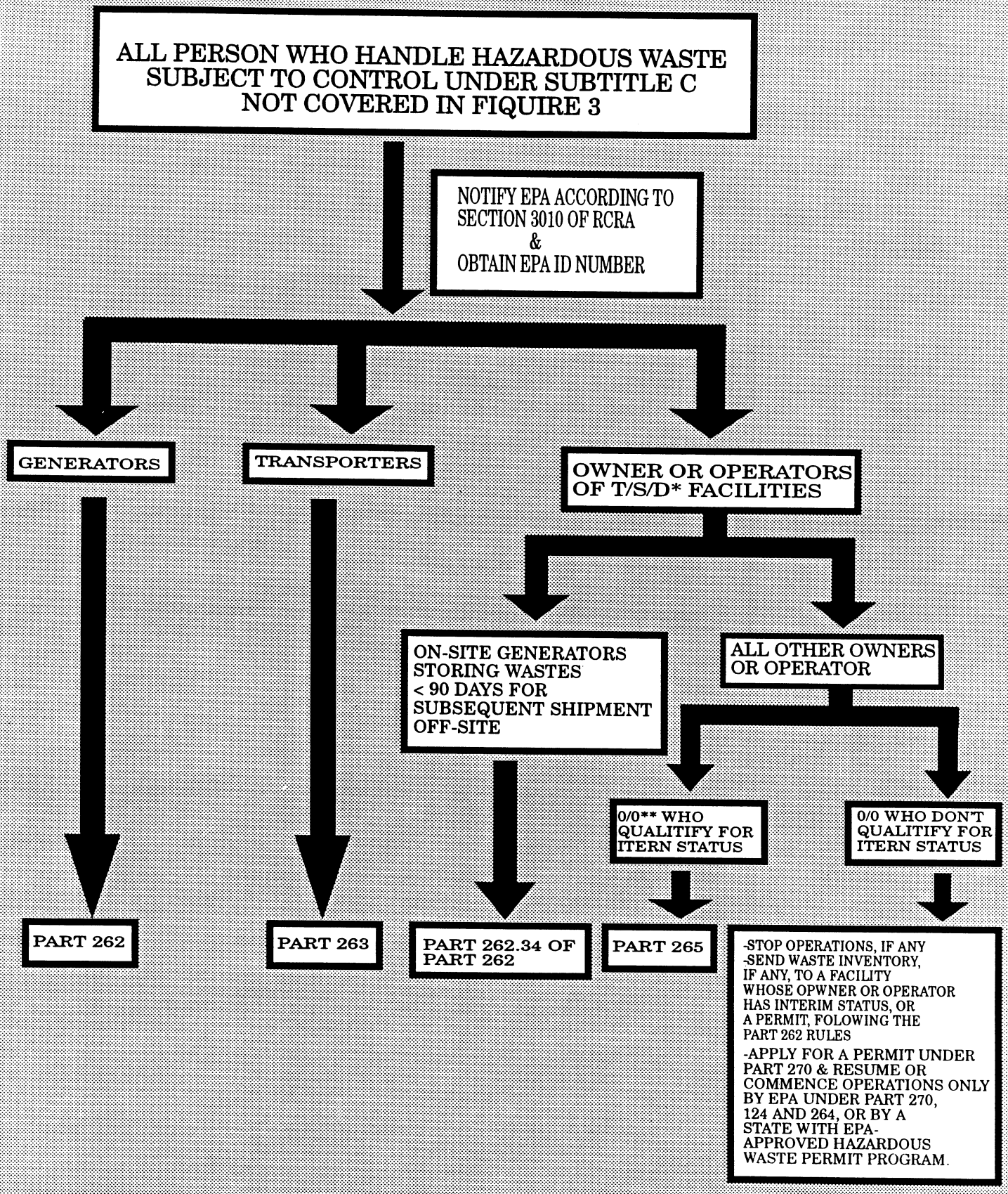


FIGURE 4

REGULATIONS FOR HAZARDOUS WASTE NOT COVERED IN DIAGRAM 3



APPENDIX C:
STATE HOTLINE PHONE NUMBERS:
USED OIL AND SOLID WASTE

State Hotlines for Used Oil

STATE	HOTLINE NUMBER
Alabama	(205) 271-7726
Alaska	(907) 465-5161
Arizona	(6020 207-4140
Arkansas	(501) 570-2888
California	(916) 322-10Q5
Colorado	(303) 692-3320
Connecticut	(203) 566-4869
Delaware	(302) 739-5361 (800-404-7080 in state only)
D.C. (Washington)	(202) 727-1800
Florida	(904) 488-0300
Georgia	(404) 362-2684
Hawaii	(808) 586-8143 (recycle)/808-586-4227 (disposal)
Idaho	(208) 334-5879
Illinois	(217) 524-3300
Indiana	(317) 232-4535
Iowa	(515) 281-8263
Kansas	(913) 296-1667
Kentucky	(502) 564-6716
Louisiana	(504) 765-0249
Maine	(207) 287-2651
Maryland	(410) 631-3446
Massachusetts	(617) 556-1022
Michigan	(517) 373-4735/2730
Minnesota	(612) 297-8319
Mississippi	(601) 961-5377 (disposal)/601-961-5321 (recycle)
Missouri	(314) 751-3176 (800-334-6946 in state only)
Montana	(406) 444-1430
Nebraska	(402) 471-4210
Nevada	(702) 687-5872
New Hampshire	(603) 271-2942
New Jersey	(609) 530-8208
New Mexico	(505) 827-2780
New York	(518) 457-8829
North Carolina	(919) 733-2178
North Dakota	(701) 221-5166
Ohio	(614) 644-2968/2917
Oklahoma	(405) 271-7160 (recycle)/405-271-7114 (disposal)
Oregon	(503) 229-6590
Pennsylvania	(717) 783-6004
Rhode Island	(401) 277-2797
South Carolina	(830) 734-5195
South Dakota	(605) 733-3153
Tennessee	(615) 532 0838
Texas	(512) 908-6750
Utah	(801) 538-6170
Vermont	(802) 244-7831
Virginia	(804) 225-2667
Washington	(206) 407-6755
West Virginia	(304) 558-3370 (800-472-8286 in state only)
Wisconsin	(608) 266-2111
Wyoming	(307) 777-7162

State Hotlines for Solid Waste

STATE	HOTLINE NUMBER
Alabama	(205) 271-7771
Alaska	(907) 465-5260
Arizona	(602) 207-4123
Arkansas	(501) 570-2859
Connecticut	(203) 566-3672
Delaware	(302) 739-4764
Georgia	(404) 362-2692
Hawaii	(808) 586-4225
Illinois	(217) 785-8604
Indiana	(317) 232-3210
Iowa	(515) 281-5145
Kansas	(913) 296-1594
Kentucky	(502) 564-6716
Louisiana	(504) 765-0741
Maine	(207) 582-8740
Maryland	(410) 631-3318
Massachusetts	(617) 292-5960
Minnesota	(612) 296-7395
Mississippi	(601) 961-5171
Missouri	(314) 751-5401
Montana	(406) 444-1430
New Hampshire	(603) 271-2900
New Jersey	(609) 777-3373
New Mexico	(505) 827-2853
New York	(518) 457-6603
Ohio	(614) 644-3181
Pennsylvania	(717) 787-9870
Rhode Island	(401) 277-2808
South Carolina	(803) 734-5200
South Dakota	(605) 773-3153
Tennessee	(615) 532-0780
Utah	(801) 538-6170
Vermont	(802) 244-8702
Virginia	(804) 225-2975
Washington	(206) 438-7605
Wisconsin	(608) 266-0520/1327
Wyoming	(307) 777-7752

APPENDIX D:
DIRECTORY OF USEFUL PHONE NUMBERS

Directory of Useful Phone Numbers

Below are "hotline" numbers that are staffed to provide answers on a national level. For questions at the state level, state hotlines should be contacted.

Subject/Agency	Phone Number
Army Environmental Hygiene Agency Waste Disposal Engineering Division	(410) 671-3651/(800) 276-6434
Comprehensive Environmental Response, Compensation & Liability Act (CERCLA)	(202) 260-0056/0057
Community Right-to-Know	(809) 535-0202/(703) 920-9877
Emergency Planning & Community Right -to-Know Act (EPCRA)	(703) 920-9877/(800) 535-0202
Hazardous Materials	(412) 826-5320/(800) 334-2467
Hazardous Waste	(800) 424-9346
National Oil Recyclers Association*	(216) 791-7316
Resource Conservation & Recovery Act (RCRA)	(703) 920-9810/(800) 424-9346
SARA Title III	(703) 920-9877/(800) 535-0202
Solid Waste	(800) 677-9424
Spills	(202) 267-2675/(800) 424-8802
Superfund	(703) 920-9810/(800) 424-9346
Toxic Substances ControlAct (TSCA)	(202) 554-1404
Toxics Information	(800) 458-0920
Underground Storage Tanks (UST)	(703) 920-9810/(800) 424-9346
Waste Reduction	(800) 633-6193

* The National Oil Recyclers Association is a centralized office for promulgation information regarding recycling of synthetic oils and mixtures. The office also provides the service of locating recyclers in specific local areas.

APPENDIX E:
EXCERPTS FROM U.S. Army Environmental Hygiene Agency (HSHB-ME-SH) TECHNICAL GUIDE NO. 126

Table D-1
Disposal Instruction

IDENTIFIERS	
A	Incineration
B	Sanitary Sewer
C	Permitted Sanitary Landfill
DM	Demilitarization Item
F	Special Procedure
H	Commercial Contract and/or Specific Procedure for Hazardous Waste
RM	Recycle item
S	Special Handling Wastes
T	Testing
1, 2, 3, etc.	Order assigned within that lettering combination

Table D-2
Code Replacement

PREVIOUS CODE	NEW CODE
HWA1	SWA1
HWA2	SWA2
HB01	SWB1
HAC1	SWC1
HC01	SW01
HW02	SW02
HW03	SW03
HW04	SW04
HW05	SW05
HW06	SW06
HW07	SW07
HW08	SW08
HW09	SW09
H001	SW10
H003	SW11
C101	HW02
C106	HW21
AC04-AC06	AC04

NSN	NOMENCLATURE NOUN [SIZE] [FORM] [GRADE] [MISC]	EPA NO.	HAZ CODE	WASTE CODE	DISP CODE
	[] [GEN PURPOSE 200/PKG]				
6840-01-098-8895	DISINFECTANT [32 OZ/BTL] [LIQUID] [] [GEN PURPOSE 2% GLUTARALDEHYDE]				CB01
6840-01-104-5282	DISINFECTANT [1QT] [] [] [GENERAL PURPOSE]				CB01
6840-01-105-9046	DEODORANT [35 CC/BTL] [LIQUID] [] [GEN PURPOSE 12/PKG]				CB01
6840-01-115-1729	DISINFECTANT DETERGENT [5GAL] [] [] [GEN PURP]				CB01
6840-01-122-0687	DISINFECTANT [] [] [] [GENERAL PURPOSE 8FL]				CB01
6840-01-131-7387	DETERGENT [1.0 GAL] [LIQUID] [] [DISINFECTANT GENERAL PURPOSE]				CB01
6840-01-135-7409	DETERGENT [.5OZ/PAKET] [POWDER] [] [DISINFECTANT GEN PURPOSE 90/PKG]				CB01
6840-01-137-8456	CHIGGER REPELLENT AND ANTIPRURITIC [118ML] [] [] [(4FLOZ)]				AC01
6840-01-140-0860	DETERGENT [1 GAL/BTL] [LIQUID] [] [DISINFECTANT GEN PURPOSE 4/PKG]				CB01
6840-01-152-7003	DETERGENT [] [] [] [DISINFECTANT,GEN PURPOSE]				CB01
6840-01-152-7063	DETERGENT [.5 OZ/PACK] [POWDER] [] [DISINFECTANT GEN PURPOSE 90/CANISTER]				CB01
6840-01-153-7001	DISINFECTANT DETERGENT [] [] [] [GEN PURP]				CB01
6840-01-153-7003	DISINFECTANT [16.5 OZ] [AEROSOL] [] [DEODORANT GEN PURPOSE]				A001
6840-01-153-7010	DISINFECTANT [1 GAL/BTL] [LIQUID] [] [GERMICIDAL 6/PKG]				CB01
6840-01-153-7016	DISINFECTANT GERMICIDAL [] [SOL] [] []				AC01
6840-01-153-7019	DETERGENT [55 GAL] [LIQUID] [] [DISINFECTANT GEN PURPOSE]				CB01
6840-01-153-7021	DETERGENT [] [] [] [DISINFECT GERM CONC]				CB01
6840-01-154-3523	DEODORANT [CAN] [AEROSOL] [] [GEN PURPOSE 12CAN/PKG]				A001
6840-01-156-3609	DISINFECTANT GERMICIDAL [] [] [] [FUNG CONC]				CB01
6840-01-156-3612	DISINFECTANT [64FLOZ] [] [] [GERM FUNG CONC 6]				CB01
6840-01-156-3614	DEODORANT [8 OZ/BTL] [LIQUID] [] [GEN PURPOSE 6/PKG]				CB01
6840-01-162-2136	DETERGENT [1 GAL] [LIQUID] [] [GERMICIDAL CONCENTRATE]				CB01
6840-01-162-2137	DISINFECTANT DEODORANT [1GAL] [SOL] [] [CONTAINS REGISTERED PESTICIDE]				C107
6840-01-162-2140	GERMICIDE [1 GAL] [LIQUID] [] [FOR INSTRUMENTS 6/PKG]				CB01
6840-01-162-2141	DISINFECTANT [GAL] [LIQIUD] [] []				CB01
6840-01-164-3159	DISINFECTANT [1GAL] [] [] [GENERAL PURPOSE]				CB01
6840-01-172-6996	DETERGENT [1 GAL] [LIQUID] [] [DISINFECTANT GEN PURPOSE]				CB01
6840-01-173-8917	DEODORANT [1.25 OZ/BT] [LIQUID] [] [GEN PURPOSE 12/PKG]				CB01
6840-01-176-7577	PUMP [] [] [] [DISPENSING USED W/ 1/2 GAL UNIT 12/PKG]				C100
6840-01-181-1419	PHENOL [1GAL] [] [] [DISINFECTANT GENERAL PURPOSE]	U188	T		HW01
6840-01-187-0135	DISINFECTANT [13OZ] [AEROSOL] [] [GENERAL PURPOSE 12 SEE INGREDIENTS]				A001
6840-01-187-6612	DISINFECTANT [18 OZ] [AEROSOL] [] [GEN PURPOSE 24/PKG]				A001
6840-01-191-8968	INSECTICIDE ORGANOPHOSPHOROUS [3.785LITER] [LIQUID] [] [FOR TICK AND FLEA CONTROL ON DOGS]				AC03
6840-01-192-9466	DISINFECTANT [1 GAL/BTL] [SOLUTION 2%] [] [DIACETATE VETERINARY USE 4/PKG]				CB01
6840-01-210-3392	INSECTICIDE CHLORPYRIFOS [] [] [] []	D001	I		HW01
6840-01-212-3060	DETERGENT [3GAL] [LIQ] [] [DISINFECTANT,GEN PURPOSE]				CB01
6840-01-215-4160	GLUTARALDEHYDE [1GAL] [] [] [DISINFECTANT GENERAL PURPOSE]				CB01
6840-01-222-3562	DETERGENT [1 GAL/BTL] [LIQUID] [] [DISINFECTANT GEN PURPOSE 4/PKG]				CB01
6840-01-229-2670	DETERGENT [22 OZ/BTL] [LIQUID] [] [DISINFECTANT GEN PURPOSE 12/PKG]				CB01
6840-01-233-1897	DISINFECTING KIT [] [] [] []				CB01
6840-01-238-6222	DISINFECTANT [1 GAL/BTL] [LIQUID] [] [GEN PURPOSE 4/CASE]				CB01
6840-01-238-8091	DETERGENT [12 OZ/BTL] [LIQUID] [] [DISINFECTANT GEN PURPOSE 12/PKG]				CB01
6840-01-248-8172	TEST STRIP GLUTARALDEHYDE [60/BTL] [] [] [12/PKG]				AC01
6840-01-253-5512	DEODORANT [] [SOLID] [] [GEN PURPOSE 10/CASE]				C100
6840-01-258-6471	DISINFECTANT DETERGENT [] [] [] [AEROSOL CAN GENERAL PURPOSE 24/PKG]				A001
6840-01-265-1368	DISINFECTANT DETERGENT [1GAL/BTL] [LIQUID] [] [GENERAL PURPOSE 6/PKG]				CB01
6840-01-265-1369	DISINFECTANT DETERGENT [] [AEROSOL] [] [GENERAL PURPOSE]				A001
6840-01-267-5551	AUTOCLAVE DEODORANT [] [CAP] [] [HEATHER FRAGRANCE 25/BTL]				C100
6840-01-267-5553	DEODORANT [] [CAPSULE] [] [AUTOCLAVE 25/PKG]				AC01
6840-01-269-4303	GERM WARFARE [] [LIQ] [] [CLEANER-DISINFECTANT]	D001	I		HW01
6840-01-272-9408	DEODORANT [35ML] [LIQUID] [] [GENERAL PURPOSE 12/PKG]				CB01
6840-01-276-4564	DISINFECTING KIT [] [] [] [FOR ADULT RESUSCI-ANNIE]				AC01
6840-01-276-9512	DISINFECTANT [1 GAL/BTL] [LIQUID] [] [GENERAL PURPOSE 4/PKG]				CB01
6840-01-277-5335	DISINFECTANT [8 OZ/BTL] [LIQUID] [] [GENERAL PURPOSE 4BTL/PAC 4PAC/PKG]				CB01
6840-01-278-1336	INSECT REPELLENT [12CANS/BOX] [] [PERMETHRIN CLOTHING TREATMENT]				AC01
6840-01-278-5629	DISINFECTANT DETERGENT [1GAL/BTL] [LIQUID] [] [GENERAL PURPOSE]				CB01
6840-01-279-5297	DISINFECTANT [2-1QT BTLS] [LIQUID] [] [GENERAL PURPOSE]				CB01
6840-01-279-5298	DISINFECTANT [2.5GAL/BTL] [LIQUID] [] [GENERAL PURPOSE 2/PKG]				CB01
6840-01-284-2950	DISINFECTANT [] [] [] [GENERAL PURPOSE]				CB01
6840-01-284-3982	INSECT REPELLENT [] [LOTION] [12TUBE/BOX] []				AC01
6840-01-286-0421	DISINFECTANT [1GAL] [PK OF 4] [] [GENERAL PURPOSE,3.2% GLUTARALDEHYDESOL]				CB01
6840-01-288-8073	DETERGENT [] [] [] [DISINFECTANT,GEN PURPOSE]				CB01
6840-01-289-9836	DISINFECTANT [] [] [] [GENERAL PURPOSE]				CB01
6840-01-293-5600	DISINFECTANT [] [] [] [GENERAL PURPOSE]				CB01
6840-01-293-5741	DISINFECTANT [] [EXSPOR] [] [DENTAL EQUIP STERILANT]				B002
6840-01-294-5538	DISINFECTANT [] [] [] [GENERAL PURPOSE]				CB01
6840-01-298-5141	DISINFECTANT [] [] [] [GENERAL PURPOSE]				CB01
6840-01-303-0501	DETERGENT [1GAL] [PK OF 4] [] [DISINFECTANT,GEN PURPOSE,PHENOLIC]				CB01
6840-01-303-1301	DETERGENT [] [] [] [DISINFECTANT,GEN PURPOSE]				CB01
6840-01-314-6685	DETERGENT [] [] [] [DISINFECTANT,GEN PURPOSE]				CB01
6840-01-316-8800	DISINFECTANT [] [] [] [GENERAL PURPOSE]				CB01
6840-01-325-0118	DETERGENT [] [] [] [DISINFECTANT,GEN PURPOSE]				CB01
6840-01-325-9777	DETERGENT [] [] [] [DISINFECTANT,GEN PURPOSE]				CB01
6840-01-333-2055	DISINFECTANT [] [] [] [GENERAL PURPOSE]				CB01
6840-01-334-2666	INSECT REPELLENT [12 BTS/BOX] [CLOTHING APPLI] [] [40% PERMETHRIN]				AC01
6840-01-338-1827	DISINFECTANT [] [] [] [GENERAL PURPOSE]				CB01
6840-01-340-0854	DISINFECTANT [] [] [] [GENERAL PURPOSE]				CB01
6840-01-340-0855	DISINFECTANT [] [] [] [GENERAL PURPOSE]				CB01
6840-01-341-6367	DISINFECTANT [] [] [] [GENERAL PURPOSE]				CB01
6840-01-345-0237	INSECT REPELLENT [] [] [] [PERMETTHRIN CLOTHING APPLICATION]				AC01
6840-01-346-4834	DISINFECTANT [] [] [] [GENERAL PURPOSE]				CB01
6840-01-349-0510	DISINFECTANT [] [] [] [GENERAL PURPOSE]				CB01
6840-01-351-9278	DETERGENT [] [] [] [DISINFECTANT,GEN PURPOSE]				CB01
6840-01-352-9531	DETERGENT [] [] [] [DISINFECTANT,GEN PURPOSE]				CB01
6840-01-356-3891	DETERGENT [] [] [] [DISINFECTANT,GEN PURPOSE]				CB01
6840-01-361-4893	DETERGENT [] [] [] [DISINFECTANT,GEN PURPOSE]				CB01
6840-01-362-4962	DISINFECTANT [] [] [] [GENERAL PURPOSE]				CB01
6840-01-366-0967	DETERGENT [] [] [] [DISINFECTANT,GEN PURPOSE]				CB01
6840-01-367-9545	DISINFECTANT [] [] [] [GENERAL PURPOSE]				CB01
6840-01-368-2882	DETERGENT [] [] [] [DISINFECTANT,GEN PURPOSE]				CB01
6850-00-027-9493	GEL REFRIGERANT [1QT] [] [] [CAN]				C100
6850-00-062-0512	SILICONE COMPOUND [] [] [] [12OZ(SILICON POLY]				C100
6850-00-083-0700	CORROSION REMOVING COMPOUND [] [] [] []				A001
6850-00-105-3084	SOLVENT CLEANING [] [] [] []				A001
6850-00-109-4362	SILICONE COMPOUND [1PT] [] [] []				C100
6850-00-110-4498	DRY CLEANING SOLVENT [] [] [] []	D001	I		HW01
6850-00-127-7193	KIT ANTIFOGGING [] [] [] [1]				C100
6850-00-135-4700	WETTING AGENT [] [] [] []				C100
6850-00-142-9810	SILICONE COMPOUND [50#] [] [] []				C100
6850-00-143-2100	WETTING AGENT [] [LIQUID] [] [1PT/BOTTLE]				CB01
6850-00-148-9776	STERILIZER [] [SOL] [] []				C100
6850-00-161-6202	PAINT FACE [] [] [] [CAMOUFLAGE STICK FORM]				C100
6850-00-161-6203	PAINT FACE [] [] [] []				CB01
6850-00-161-6204	PAINT FACE [] [] [] []				CB01
6850-00-174-1806	ANTIFREEZE [] [] [] [ARTIC]				B007
6850-00-177-5094	SILICONE COMPOUND [3OZ] [] [] []				C100
6850-00-181-6995	SILICONE COMPOUND [2OZ] [] [] []				C100
6850-00-181-7929	ETHYLENE GLYCOL [] [] [] []				B007
6850-00-181-7940	ETHYLENE GLYCOL [] [] [] []				B007
6850-00-209-7947	CLEANING COMPOUND SOLVENT [55GAL] [] [] []	D001	I		RM11
6850-00-224-6656	CLEANING COMPOUND [2OZ] [SOL] [] [RIFLE BORE]				RM11
6850-00-224-6657	CLEANING COMPOUND [8OZ] [SOL] [] [RIFLE BORE]				RM11
6850-00-224-6663	CLEANING COMPOUND [] [SOL] [] [RIFLE BORE 1GA]				RM11
6850-00-224-6665	CLEANING COMPOUND SOLVENT [5GAL]	D001	I		RM11

SECTION II. APPROVED METHODS OF DESTRUCTION BY NSN

NSN	NOMENCLATURE NOUN [SIZE] [FORM] [GRADE] [MISC]	EPA HAZ WASTE NO.	CODE	DISP CODE
	[] [] [EMUL]			
6850-00-224-6666	CLEANING COMPOUND SOLVENT [55-GAL] [] [] []	D001	I	RM11
6850-00-224-9582	CORROSION PREVENTIVE [5G] [] [] [SOLUBLE OIL]			RM03
6850-00-238-8119	PETROLEUM ETHER [] [] [] []	D001	I	HW01
6850-00-244-4892	SKIN PROTECTIVE COMPOUND [] [] [] [CML1#JRCRM]			C100
6850-00-244-4893	SKIN PROTECTIVE COMPOUND [] [] [] [CML1#JRCRM]			C100
6850-00-244-4894	SKIN PROTECTIVE COMPOUND [1#] [] [] [CML]			C100
6850-00-249-8029	CLEANING COMPOUND [] [SOL] [] [RIFLE BORE 5GA]			RM11
6850-00-263-8640	DESICCANT ACTIVATED [5GAL] [POWDER] [] [CAN]			C100
6850-00-264-6559	DESICCANT ACTIVATED [] [POWDER] [] []			C100
6850-00-264-6561	DESICCANT ACTIVATED [] [POWDER] [] []			C100
6850-00-264-6562	DESICCANT ACTIVATED [5GAL] [POWDER] [] [CAN]			C100
6850-00-264-6564	DESICCANT ACTIVATED [5GAL] [POWDER] [] [CAN]			C100
6850-00-264-6568	DESICCANT ACTIVATED [5GAL] [POWDER] [] [CAN]			C100
6850-00-264-6571	DESICCANT ACTIVATED [] [POWDER] [] [200=DRUM]			C100
6850-00-264-6572	DESICCANT ACTIVATED [] [POWDER] [] [200=DRUM]			C100
6850-00-264-6573	DESICCANT ACTIVATED [] [POWDER] [] [5GALPAIL]			C100
6850-00-264-6574	DESICCANT ACTIVATED [] [POWDER] [] [200=DRUM]			C100
6850-00-264-6942	DECON AGT SUPERTROPICAL BLEACH [] [] [] []			SWB1
6850-00-264-8942	DECON AGT SUPERTROPICAL BLEACH [] [] [] []			SWB1
6850-00-264-9037	DRY CLEANING SOLVENT [55GAL] [] [] [TYPE I]	D001	I	HW01
6850-00-264-9038	DRY CLEANING SOLVENT [] [] [] [PD680 TYPEI5GA]	D001	I	HW01
6850-00-264-9039	DRY CLEANING SOLVENT [] [] [] [TYPE I]	D001	I	HW01
6850-00-268-9579	DESICCATOR COLUMN [] [] [] [DISP]			C100
6850-00-268-9586	DESICCATOR COLUMN [] [] [] [DISP]			C100
6850-00-270-6225	KIT CHLORINATION WATER PURIFICATION [] [] [] [TYPE I]	D003	R	HW01
6850-00-274-5421	DRY CLEANING SOLVENT [] [] [] []	D001	I	HW01
6850-00-276-7342	DANC [3GAL] [] [] [PAIL]	U208	IT	HW01
6850-00-276-7343	DANC [] [SOL] [] []	U208	IT	HW01
6850-00-281-1986	DRY CLEANING SOLVENT [55GAL] [] [] [TYPE II]	D001	I	HW01
6850-00-281-4244	IMPREGNITE XXCC3 [75#] [] [] [DRUM]			C100
6850-00-285-8011	DRY CLEANING SOLVENT TYPE II [55GAL] [] [] [TYPE II]			A001
6850-00-285-8012	DRY CLEANING SOLVENT [] [] [] []	D001	I	HW01
6850-00-290-0042	DESICCANT ACTIVATED [] [] [] [5= CAN]			C100
6850-00-295-7685	SILICONE COMPOUND [10#] [] [] []			C100
6850-00-297-6653	DECON AGT SUPERTROPICAL BLEACH [] [] [] []			SWB1
6850-00-391-9513	DANC [4-1/2GAL] [] [] [PAIL]	U208	IT	HW01
6850-00-400-7976	SILICONE COMPOUND [1#] [] [] []			C100
6850-00-405-9385	DICHLORODIFLUOROMETHANE [120Z] [] [] [AERO]	U075	T	HW01
6850-00-449-5191	SILICONE COMPOUND [8OZ] [] [] []			C100
6850-00-451-8153	ANTI-ICING/DEICING DEFROST FLUID55G [] [] [] [BTL 1PT.]			B007
6850-00-459-2375	CLEANING [] [] [] [AND DESCALING COMPD]			CB01
6850-00-527-8993	LIQUID SCINTILLATION COUNTING [] [] [] [MEDIUM]	U239	I	HW01
6850-00-541-7101	KIT CHLORINATION WATER PURIFICATION [] [] [] []	D003	R	HW01
6850-00-551-1296	IMPREGNITE XXCC3 [26#] [] [] []			AC03
6850-00-558-1248	ANTI-ICING/DEICING DEFROST FLUID55G [] [] [] []			B007
6850-00-582-4685	ANTI-ICING/DEICING DEFROST FLUID [] [] [] []			B007
6850-00-597-9765	CLEANING COMPOUND SOLVENT [1GAL] [] [] []	D001	I	RM11
6850-00-611-7993	CLEANING COMPOUND SOLVENT [] [] [] []	D001	I	RM11
6850-00-611-8157	CLEANING COMPOUND [] [] [] [LAB GLASSWARE]			RM03
6850-00-619-7804	DESICCANT ACTIVATED [] [POWDER] [] [200=DRUM]			C100
6850-00-619-7805	DESICCANT ACTIVATED [] [POWDER] [] [200#DRUM]			C100
6850-00-621-1819	LEAK TEST COMPOUND TYPE II [4OZ] [] [] [BTL]			C100
6850-00-621-1820	LEAK TEST COMPOUND TYPE I [4OZ] [] [] [BTL]			C100
6850-00-656-0926	ANTISETTING COMP-DECON SLURRY M2 [] [] [] []			C100
6850-00-664-1257	SILICONE COMPOUND [2OZ] [] [] [(SILICON OXID]			C100
6850-00-664-1409	ANTIFREEZE [] [] [] []			B007
6850-00-664-3647	VESICANT [] [OINT] [] [AGT PROT M5]			AC01
6850-00-664-4959	SILICONE COMPOUND [1GAL] [] [] []			C100
6850-00-702-4297	SILICONE COMPOUND [8OZ] [] [] []			C100
6850-00-702-8451	CARBON REMOVER COMPOUND [] [] [] []	U070	TI	HW01
6850-00-735-5370	DESICCANT ACTIVATED [] [] [] [5= CAN]			C100
6850-00-735-5371	DESICCANT ACTIVATED [] [] [] [5= CAN]			C100
6850-00-753-4806	CLEANING COMPOUND [] [] [] [RIFLE BORESOL55GA]			RM11
6850-00-753-4827	DECONTAMINATING AGENT DS-2 [1/3QT] [] [] [CAN]	D002	C	RM03
6850-00-753-4870	DECONTAMINATING AGENT DS-2 [1/3QT] [] [] [CAN]	D002	C	RM03
6850-00-753-5061	INHIBITOR W/ETHYLENE GLYCOL MONOETHYL ETHER [5GAL] [] [] [ICING FUEL SYSTEM CN]	U359	T	HW01
6850-00-753-9870	DECONTAMINATING AGENT DS-2 [1/3QT] [] [] [CAN]	D002	C	RM03
6850-00-775-3704	ETHYLENE OXIDE [12OZ] [] [] [CANS]	U115	IT	HW01
6850-00-803-6420	CARBON REMOVER COMPOUND [] [] [] []	U070	TI	HW01
6850-00-809-7321	DESICCANT ACTIVATED [5GAL] [POWDER] [] [CAN]			C100
6850-00-822-6800	IMPREGNITE XXCC3 [16.5#] [] [] []			AC03
6850-00-827-2791	B-PROPIOLACTONE (BPL) [] [] [] []			A003
6850-00-840-4803	DESICCANT ACTIVATED [] [POWDER] [] [100=DRUM]			C100
6850-00-840-4804	DESICCANT ACTIVATED [] [POWDER] [] [120=DRUM]			C100
6850-00-856-6632	DESICCANT ACTIVATED [5GAL] [] [] [PAIL]			C100
6850-00-856-7955	DESICCANT ACTIVATED [] [POWDER] [] [5GALPAIL]			C100
6850-00-857-8350	CORROSION REMOVING COMPOUND [] [] [] []			A001
6850-00-864-9979	SILICONE COMPOUND [1OZ] [] [] []			C100
6850-00-865-2916	CORROSION INHIBITOR [2OZ] [TAB] [] [CAN (VAPOR BARRIER) ^]			C100
6850-00-865-8584	SILICONE COMPOUND [1GAL] [] [] []			C100
6850-00-880-7616	SILICONE COMPOUND [8OZ] [] [] []			C100
6850-00-889-7494	WETTING AGENT [] [] [] []			CB01
6850-00-898-4661	SILICONE COMPOUND [] [] [] []			C100
6850-00-901-0591	ANTI-ICING/DEICING DEFROST [5GAL] [] [] [FLUID]			B007
6850-00-909-5906	DESICCANT ACTIVATED [] [POWDER] [] []			C100
6850-00-912-6727	SILICONE COMPOUND [100G] [] [] []			C100
6850-00-926-4859	SILICONE COMPOUND [8OZ] [] [] []			C100
6850-00-926-4913	SILICONE COMPOUND [1#] [] [] []			C100
6850-00-927-9461	SILICONE COMPOUND [] [] [] [5OZ]			C100
6850-00-935-0995	CLEANING COMPOUND [] [] [] []			B005
6850-00-935-9793	DESICCANT ACTIVATED [22GAL] [] [] [DRUM]			C100
6850-00-935-9794	DESICCANT ACTIVATED [22GAL] [] [] [DRUM]			C100
6850-00-935-9795	DESICCANT ACTIVATED [22GAL] [] [] [DRUM]			C100
6850-00-935-9796	DESICCANT ACTIVATED [22GAL] [] [] [DRUM]			C100
6850-00-935-9797	DESICCANT ACTIVATED [5GAL] [] [] [CAN]			C100
6850-00-935-9798	DESICCANT ACTIVATED [5GAL] [] [] [CAN]			C100
6850-00-935-9799	DESICCANT ACTIVATED [5GAL] [] [] [CAN]			C100
6850-00-935-9800	DESICCANT ACTIVATED [5GAL] [] [] [CAN]			C100
6850-00-935-9878	DESICCANT ACTIVATED [5GAL] [] [] [CAN]			C100
6850-00-951-0939	SILICONE COMPOUND [1#] [] [] []			C100
6850-00-963-5402	SILICONE COMPOUND [] [] [] [8OZ]			C100
6850-00-965-2280	DESICCANT ACTIVATED [] [] [] []			C100
6850-00-965-2331	CLEANING COMPOUND SOLVENT [] [] [] []	D001	I	RM11
6850-00-967-8303	SILICONE COMPOUND [] [] [] []			RM03
6850-00-975-1535	DESICCANT [] [] [] [ACTIVATED]			C100
6850-00-979-9489	TEST KIT WITH O-TOLUIDINE DIHYDROCHLORIDE [] [] [] [O-TOLIDINE DIHYDROCHLORIDE]	U222	T	HWC1
6850-00-985-7166	WATER PURIFICATION [] [TAB] [] [IODINE]			C100
6850-00-C92-0160	CLEANER [] [] [] [PLASTIC LENS]			CB01
6850-00-C92-0439	ANTIFOAM COMPOUND SILICONE [] [] [] []			CB01
6850-00-F00-2646	ARSENIC HYDRIDE [] [] [] []	D004	EH	HW01
6850-00-N02-3494	HURRI-SAFE [] [SOL] [] [WASTE WATER ADDITIVE SEE ING]	D001	I	HW01
6850-01-012-0074	TONER [] [DUPLICATOR] [] [2400/3600/7000 XEROX]			AC01
6850-01-012-0444	TONER [] [] [] [550/660 DEVELOPER]			AC01
6850-01-037-4421	DETERGENT RINSING [] [] [] []			CB01
6850-01-039-3841	ANTI-ICING/DEICING DEFROST FLUID55G [55GAL] [] [] [DRUM]			B007
6850-01-039-3842	ANTI-ICING/DEICING DEFROST FLUID55G [5GAL] [] [] [CAN]			B007
6850-01-045-4438	LIQUID SCINTILLATION COUNTING [] [] [] [MEDIUM]	U239	I	HW01
6850-01-063-3964	PACK REFRIGERANT [] [] [] []			CB01
6850-01-070-1512	CLEANING COMPOUND OPTICAL [] [SOL] [] [ISOPROPYL AND ACETONE]	D001	I	HW01
6850-01-073-5955	CLEANER AND LUBRICANT [16FL OZ] [10% PET OIL] [] [SURGICAL INSTRUMENTS,IN AEROSOL CAN]			A001
6850-01-080-4726	CLEANING [] [SOL] [] []			CB01
6850-01-085-2356	LIQUID SCINTILLATION COUNTING [] [] [] [MEDIUM]	U239	I	HW01
6850-01-120-7996	DETERGENT [] [TAB] [] [LAB GLASSWARE 100]			C100
6850-01-131-8213	LIQUID SCINTILLATION COUNTING [] [] [] [MEDIUM]	U239	I	HW01
6850-01-146-1141	SOLVENT HISTOLOGICAL [] [] [] [FIXATIVE]	D001	I	HW01
6850-01-163-8829	ANTI-ICING/DEICING DEFROST FLUID55G [55GAL] [] [] [DRUM]			B007
6850-01-169-0293	WETTING AGENT [30ML] [LIQUID] [] []			B011
6850-01-182-6333	DISPERANT [] [] [] [#4135]	D001	I	HW01
6850-01-196-6210	LUBRICATING & RUST INHIBITOR [] [] [] [MILK CONCENTRATE]			RM03
6850-01-207-3930	TONER-DISPERSANT KIT [] [] [] [850/895/760/790]	D001	I	HW01

SECTION II. APPROVED METHODS OF DESTRUCTION BY NSN

NSN	NOMENCLATURE NOUN [SIZE] [FORM] [GRADE] [MISC]	EPA HAZ WASTE NO.	CODE	DISP CODE
6850-01-211-9628	CLEANING COMPOUND [] [] [] [LAB GLASSWARE]			RM03
6850-01-244-9947	DESICCANT [] [] [] [ACTIVATED]			C100
6850-01-260-1159	DESICCANT [] [] [] [ACTIVATED]			C100
6850-01-262-0635	PAINT FACE [] [] [] [CAMOUFLAGE STICK FORM]			C100
6850-01-276-1372	CORROSION REMOVING COMPOUND [] [] [] []			A001
6850-01-281-0338	ANTI-ICING/DEICING DEFROST FLUID55G [55GAL] [] [] [DRUM]			B007
6850-01-281-0339	ANTI-ICING/DEICING DEFROST FLUID55G [] [] [] [BULK]			B007
6850-01-281-0340	ANTI-ICING/DEICING DEFROST FLUID55G [5GAL] [] [] [CAN]			B007
6850-01-283-4498	SILICONE COMPOUND [] [] [] []			C100
6850-01-289-2010	DESICCANT [] [] [] [ACTIVATED]			C100
6850-01-308-3889	LIQUID SCINTILLATION COUNTING [] [] [] [MEDIUM]	U239,	I	HW01
6850-01-339-8753	SILICONE COMPOUND [] [] [] []			C100
6850-01-341-4533	CLEANING AND LUBRICATING COMPOUND [] [] [] []			A001
6850-01-341-6373	WETTING AGENT [] [] [] []			C100
6850-01-343-0118	WETTING AGENT [] [] [] []			C100
6850-01-359-5157	DESICCANT [] [] [] [ACTIVATED]			C100
6850-01-369-2474	HURRI-SAFE [5GAL] [SOL] [] [HOT IMMERSION DEGREASER]	D001	I	HW17
6850-01-369-2475	HURRI-SAFE [55GAL] [SOL] [] [HOT IMMERSION DEGREASER]	D001	I	HW17
6850-01-373-5866	HOT IMMERSION [5 GAL] [] [] []			RM03
6850-01-373-5867	HOT IMMERSION [55 GAL] [] [] []			RM03
6850-01-373-5868	AIRCRAFT CLEANING COMPOUND [] [] [] [HK-188]			RM03
6850-01-377-6816	DESICCANT [] [] [] [ACTIVATED]			C100
6850-01-379-1945	CLEANER AND LUBRICANT [1GAL] [BTL/CONC] [] [SURG INSTRU,NONSILICONE,CORROS-CONTROL]			CB01
6850-01-Q12-0123	LTT T/D CONVENIENCE PACK [] [] [] []	D001	I	HW01
7910-00-112-9323	VACUUM CLEANER [] [] [] [ELECTRIC]			RM03
7910-00-C03-4013	BRUSH [] [] [] [DUSTING]			C100
7910-00-C09-0993	VACUUM CLEANER [] [] [] []			RM03
7910-00-C09-0994	KIT TOOL ACCESSORY [] [] [] []			C100
7910-00-C13-0001	FLOOR MAINTAINER [] [] [] []			C100
7910-01-116-7906	VACUUM CLEANER [] [] [] [ELECTRIC]			RM03
7910-01-161-2942	VACUUM CLEANER [] [] [] [ELECTRIC WET/DRY 115V 50/60HZ AC]			RM03
7910-01-177-0622	VACUUM CLEANER [] [] [] [ELECTRIC PORTABLE]			RM03
7910-01-260-9064	VACUUM CLEANER [] [] [] [ELECTRIC PORTABLE]			RM03
7910-01-327-0757	VACUUM CLEANER [] [] [] []			RM03
7920-00-165-7149	DISPENSER [] [] [] [SCRUB BRUSH]			RM02
7920-00-205-0425	MOPHEAD [35"L] [] [] [WET]			AC01
7920-00-240-2559	SPONGE [EA] [] [] [CELLULOSE RECT]			AC01
7920-00-240-6358	BRUSH [EA] [] [] [DUSTING]			C100
7920-00-263-0328	HANDLE [EA] [] [] [ACME THREADED]			C100
7920-00-267-1218	HANDLE [EA 60°] [] [] [MOP WOOD]			C100
7920-00-282-7784	BRUSH [] [] [] [TEST TUBE]			RM03
7920-00-292-4375	UPRIGHT BROOM [EA] [] [] []			AC01
7920-00-297-1510	BRUSH [] [] [] [TEST TUBE]			RM03
7920-00-682-6861	WRINGER MOP [EA] [] [] [SMALL]			AC01
7920-00-772-5800	BRUSH [EA] [] [] [SANITARY, BLACK]			C100
7920-00-772-5935	BRUSH [] [] [] [SCRUB]			C100
7920-00-884-1115	SPONGE [EA] [] [] [CELLULOSE RECT]			AC01
7920-00-926-5243	BUCKET [16QT] [] [] [MOP, STEEL]			RM03
7920-00-965-4887	PUSH BROOM [EA] [] [] []			AC01
7920-00-C03-4014	BRUSH [] [] [] [TEST TUBE]			RM03
7920-00-C90-0239	FILE [] [] [] [FINGER NAIL SCRUB]			C100
7920-01-126-3250	CLOTH [900S] [] [] [CLEAN, 12X15]			C100
7920-01-136-2083	DETERGENT [1OZ PK] [LAB GLASS] [] [GENERAL PURPOSE CLEANER POWDER]			CB01
7930-00-141-5888	FLOOR WAX [5GAL] [LIQUID] [] []			C100
7930-00-205-2870	FLOOR WAX [1GAL] [LIQUID] [] []			C100
7930-00-234-1945	CLEANING [1QT] [] [] [COMPOUND TOILET BOWL]			BC02
7930-00-259-9038	CLEANING [1QT] [] [] [COMPOUND TOILET BOWL]			BC02
7930-00-266-7121	FURNITURE POLISH [] [] [] []			CB01
7930-00-266-7137	POLISH METAL [] [] [] [TYPE II]	D001	I	HW01
7930-00-357-7386	DETERGENT [22OZ] [LIQUID] [] [GENERAL PURPOSE SPRAY]			CB01
7930-00-531-9716	DETERGENT [5GAL] [] [] [GENERAL PURPOSE]			CB01
7930-00-551-5626	CLEANING [] [] [] [COMPOUND TOILET BOWL]			BC02
7930-00-558-1111	DETERGENT [] [POWDER] [] [GENERAL PURPOSE]			CB01
7930-00-559-9481	CLEANING [] [] [] [COMP TOILET BOWL TYPE II]			BC02
7930-00-579-8629	CLEANING COMPOUND [] [] [] []			BC05
7930-00-664-6910	N-PROPANOL [8OZ] [] [] [GLASS CLEANER]	D001	I	HW01
7930-00-721-8592	SCOURING POWDER [21OZ] [] [] [GENERAL PUROPSE 30]			CB01
7930-00-764-0688	CLEANING [32OZ] [] [] [COMPOUND TOILET BOWL]			BC02
7930-00-764-2245	DETERGENT [] [] [] [HOSPITAL GLASSWARE]			CB01
7930-00-766-9270	DETERGENT [] [] [] [HOSPITAL GLASSWARE AND]			CB01
7930-00-865-1840	CLEANING [1QT] [] [] [COMPOUND TOILET BOWL]			BC02
7930-00-905-4338	CLEANING [32OZ] [] [] [COMPOUND TOILET BOWL]			BC02
7930-00-935-3794	POLISH PLASTIC TYPE I [] [LIQUID] [] []			RM03
7930-00-997-4206	CLEANING [1QT] [] [] [COMPOUND TOILET BOWL]			BC02
7930-00-C03-4003	DETERGENT [] [] [] [WETTING AGENT]			CB01
7930-00-C09-0364	DETERGENT [] [] [] [LAB GLASSWARE-INSTRUMENT]			CB01
7930-00-C09-2184	DETERGENT [] [] [] [GLASSWARE ALKALINE PWDR]			C100
7930-00-C90-0201	CREAM [] [] [] [STAIN REMOVER]			CB01
7930-00-C90-0202	DETERGENT [] [] [] [WETTING AGENT]			CB01
7930-00-C90-0203	DETERGENT [] [] [] [WETTING AGENT]			CB01
7930-00-C90-0216	STAIN REMOVER [] [] [] []			CB01
7930-00-C90-0229	DETERGENT [] [] [] [LAB GLASSWARE]			CB01
7930-00-C90-0238	DETERGENT [] [] [] [GEN PURP]			CB01
7930-00-C90-0241	DETERGENT [] [] [] [WETTING AGENT]			CB01
7930-00-C90-0242	WATER SOFTENER [] [] [] []			CB01
7930-00-C90-0247	DETERGENT [] [] [] [GEN PURP]			CB01
7930-00-C90-0277	DETERGENT [] [] [] [WETTING AGENT]			CB01
7930-00-C90-0282	DETERGENT [] [] [] [LAB GLASSWARE]			CB01
7930-00-C90-0289	DETERGENT [] [] [] [GEN PURP]			CB01
7930-00-C90-0300	SULFURIC ACID [] [] [] [ANALYZED REAG]	D002	C	HW15
7930-00-C90-0303	DETERGENT [] [] [] [X-R]			CB01
7930-00-C90-0320	DETERGENT [] [] [] [WETTING AGENT]			CB01
7930-00-C90-0348	DETERGENT [] [] [] [WETTING AGENT]			CB01
7930-00-C90-0354	DRYING AGENT LAB [] [] [] []			C100
7930-00-C90-0357	DETERGENT [] [] [] [GEN PURP]			CB01
7930-00-C90-0407	DETERGENT HEMATALL [] [] [] []			CB01
7930-00-N02-3492	HURRI-SAFE [] [SOL] [] [ALL PURPOSE CLEANER]	D001	I	HW17
7930-00-N02-3495	HURRI-SAFE [] [SOL] [] [FORMULA 301 DEGREASER]	D001	I	HW17
7930-01-014-1067	CLEANING [1QT] [] [] [COMPOUND TOILET BOWL]			BC02
7930-01-029-5178	DETERGENT [] [] [] [APERATURE CLEANER/RINSE]			RM03
7930-01-044-6389	CLEANING AGENT [3.75LITERS] [CONC LIQUID] [] [GERMICIDAL DISINFECTANT]			CB01
7930-01-066-0454	CLEANING [1QT] [] [] [COMPOUND TOILET BOWL]			BC02
7930-01-075-8361	CLEANING [32OZ] [] [] [COMPOUND TOILET BOWL]			BC02
7930-01-104-1222	CLEANING [1QT] [] [] [COMPOUND TOILET BOWL]			BC02
7930-01-107-9169	DETERGENT [4 LBS] [POWDER] [] [HOSPITAL GLASSWARE AND INSTRUMENT]			CB01
7930-01-108-7872	DETERGENT, HOSPITAL GLASSWARE [5.0 GAL] [LIQUID] [] [LIQUI-JET]			CB01
7930-01-111-2238	CLEANING [1QT] [] [] [COMPOUND TOILET BOWL]			BC02
7930-01-115-1515	CLEANING [32OZ] [] [] [COMPOUND TOILET BOWL]			BC02
7930-01-153-7121	DETERGENT [1GAL] [] [] [GENERAL PURPOSE]			CB01
7930-01-209-2934	CLEANING [] [] [] [COMPOUND TOILET BOWL]			BC02
7930-01-253-1927	CLEANING [1QT] [] [] [COMPOUND TOILET BOWL]			BC02
7930-01-266-9390	ISOTERGE III [] [] [] [CLEANING AGENT]			CB01
7930-01-277-0481	SSK-80 [] [] [] []	D002	C	HW15
7930-01-294-1116	SCOURING POWDER [14OZ 12S] [] [] []			CB01
7930-01-306-8369	CLEANING COMPOUND, SIMPLE GREEN [6/1 GAL BX] [] [] [CLEANER & DEGREASER]			B017
7930-01-312-5568	DETERGENT [] [] [] [HOSPITAL GLASSWARE & INSTRUMENT]			CB01
7930-01-342-4145	CLEANING COMPOUND, SIMPLE GREEN [55 GAL DR] [] [] [CLEANER & DEGREASER]			B017
7930-01-342-5315	CLEANING COMPOUND, SIMPLE GREEN [12/24OZ BX] [PUMP SPRAY] [] [CLEANER & DEGREASER]			B017
7930-01-342-5316	CLEANING COMPOUND, SIMPLE GREEN [5 GAL CN] [] [] [CLEANER & DEGREASER]			B017
7930-01-342-5317	CLEANING COMPOUND, SIMPLE GREEN [15 GAL DR] [] [] [CLEANER & DEGREASER]			B017
7930-01-363-1397	STAIN REMOVER [1GAL] [4BTL/PK] [P#25133] [GEN PURPOSE,RUST INHIB,COLD SOAK]			CB01
8010-00-079-3750	SILVER [8OZ] [] [] []			RM02
8010-00-079-3762	PAINT ENAMEL [] [AEROSOL] [] [WHITE FULL GLOSS]	D001	I	HW01
8010-00-082-2565	PAINT TRAFFIC YELLOW [] [] [] []	D001	I, E	HW01
8010-00-082-2598	PAINT TRAFFIC YELLOW [] [] [] [PAIL]	D001	I, E	HW01
8010-00-141-2952	PAINT LACQUER [] [AEROSOL] [] [RED FULL GLOSS]	D001	I	HW01
8010-00-145-0164	PAINT [GAL] [TT-E-490 MISC] [] [WHITE SEE MISC]			RM03
8010-00-160-5787	THINNER [] [] [] [DOPE & LACQUER]	D001	I	HW01
8010-00-160-5788	THINNER [5GAL] [] [] [DOPE & LACQUER]	D001	I	HW01
8010-00-160-5789	THINNER [] [] [] [DOPE & LACQUER]	D001	I	HW01
8010-00-160-5794	THINNER ENAMEL [] [] [] []	D001	I	HW01
8010-00-181-7371	PAINT ENAMEL [] [AEROSOL] [] [BROWN LUSTERLESS GLOSS]	D001	I	HW01
8010-00-181-8079	THINNER [5GAL] [] [] []	D001	I	HW01
8010-00-246-6442	TURPENTINE [1PT] [] [] []	D001	I	HW01
8010-00-246-6445	TURPENTINE [] [] [] []	D001	I	HW01
8010-00-262-9025	PAINT [] [] [] [ALUMINUM HEAT RESISTING]			RM03

NSN	NOMENCLATURE NOUN [SIZE] [FORM] [GRADE] [MISC]	EPA HAZ WASTE NO.	DISP CODE
	DOUBLE EDGED TYPE 2 CLASS 3]		
8530-00-294-9577	COMB [] [] [] [HAIR HARD RUBBER]		C100
8540-00-090-0366	TISSUE CLEANER [] [] [] []		C100
8540-00-140-7317	TOWEL [] [] [] [PAPER]		AC01
8540-00-140-7318	TOWEL [] [] [] [PAPER]		AC01
8540-00-279-7777	NAPKIN [30"W 500] [] [] [PAPER]		AC01
8540-00-782-3554	CLEANSING PAPER TOWEL ANTISEPTIC [] [] [] []		C100
8540-00-793-5425	TISSUE FACIAL [100SHEETS] [SZ 1 POPUP] [] [CELLULOSE]		C100
8540-00-900-4891	TISSUE FACIAL [] [] [] []		C100
8540-00-C09-3639	TOWEL [] [] [] [SYS]		AC01
8540-00-C90-0186	TISSUE CLEANING [] [] [] []		C100
8540-00-C90-0214	TISSUE CLEANER [] [] [] []		C100
8540-00-C90-0224	TISSUE CLEANING [] [] [] []		C100
8540-00-C90-0234	TISSUE CLEANER [] [] [] []		C100
8540-00-C90-0326	TOWEL [] [] [] [PAPER]		AC01
8540-01-055-6134	TOWEL [BX] [] [] [PAPER, SINGLE FOLD]		AC01
8540-01-174-9948	TOWEL [] [] [] [PAPER]		AC01
8540-01-304-3620	TOWEL [BX] [] [] [PAPER SINGLE FOLD]		AC01
9110-00-082-2666	FUEL [0.65LB] [] [] [SOLIDIFIED HYDROCARBON CAN]		RM03
9130-01-262-4493	CHART [] [] [] [PAPER LITHOGRAPHIC]		C100
9150-00-023-1251	HYDRAULIC FLUID [5GAL] [] [] [NONCOMBUSTIBLE]		RM03
9150-00-024-9621	DAMPING FLUID [1PT] [] [] [SILICON BASE]		RM03
9150-00-065-0115	LUBRICATING OIL AIRCRAFT [] [] [] []		RM03
9150-00-066-2382	DAMPING FLUID [1LB] [] [] [SILICON]		RM03
9150-00-082-5636	LUBRICATING OIL HYDRAULIC [32OZ] [] [] []		RM03
9150-00-108-5359	LUBRICATING OIL AIRCRAFT [] [] [] [TURBINE]		RM03
9150-00-111-0208	LUBRICATING OIL ENGINE [55GAL] [] [] []		RM03
9150-00-111-6254	HYDRAULIC FLUID [1GAL] [] [] []		RM09
9150-00-111-6256	HYDRAULIC FLUID [1QT] [] [] []		RM09
9150-00-142-9309	LUBRICANT [12OZ] [] [] [SOLID FILM]		RM03
9150-00-142-9361	LUBRICANT [1GAL] [] [] [SOLID FILM]		RM03
9150-00-145-0268	GREASE AIRCRAFT [5#] [] [] []		RM03
9150-00-149-7431	HYDRAULIC FLUID [1QT] [] [] [FIRE RESIST]		RM03
9150-00-149-7432	HYDRAULIC FLUID [] [] [] []		RM03
9150-00-159-4472	HYDRAULIC FLUID [16OZ] [] [] [SPRAY CAN]		RM03
9150-00-168-6889	LUBRICATING OIL AIRCRAFT [] [] [] []		RM03
9150-00-181-8097	LUBRICATING OIL ENGINE [] [] [] []		RM03
9150-00-186-6668	LUBRICATING OIL ENGINE [5GAL] [] [] []		RM03
9150-00-186-6681	LUBRICATING OIL ENGINE [1QT] [] [] [PETROLEUM GRADE 30]		RM03
9150-00-186-6699	LUBRICATING OIL ENGINE [1QT] [] [] []		RM03
9150-00-186-6703	LUBRICATING OIL ENGINE [55GAL] [] [] []		RM03
9150-00-186-6705	LUBRICATING OIL ENGINE [1QT] [] [] []		RM03
9150-00-188-9858	LUBRICATING OIL ENGINE [5GAL] [] [] []		RM03
9150-00-188-9864	LUBRICATING OIL ENGINE [1QT] [] [] []		RM03
9150-00-188-9865	LUBRICATING OIL ENGINE [5GAL] [] [] []		RM03
9150-00-188-9867	LUBRICATING OIL ENGINE [55GAL] [] [] []		RM03
9150-00-189-6727	LUBRICATING OIL ENGINE [1QT] [] [] []		RM03
9150-00-189-6729	LUBRICATING OIL ENGINE [55GAL] [] [] []		RM03
9150-00-190-0905	GREASE AUTO/ARTILLERY [5#] [] [] []		RM03
9150-00-190-0907	GREASE AUTO/ARTILLERY [35#] [] [] []		RM03
9150-00-190-0932	BRAKE FLUID AUTOMOTIVE [1GAL] [] [] []		RM03
9150-00-191-2772	LUBRICATING OIL ENGINE [55GAL] [] [] []		RM03
9150-00-223-4116	LUBRICATING OIL GEAR [5GAL] [] [] []		RM03
9150-00-223-4119	PENETRATING OIL [1GAL] [] [] []		RM03
9150-00-223-4129	LUBRICATING OIL INSTRUMENT [1QT] [] [] []		RM03
9150-00-223-4134	HYDRAULIC FLUID [1GAL] [] [] [PETRO BASE]		RM03
9150-00-224-8729	HYDRAULIC FLUID [5GAL] [] [] [NONPETRO]		RM03
9150-00-227-0183	LUBRICATING OIL [1PT] [] [] [COLLOIDAL GRAP]		RM03
9150-00-231-2356	LUBRICATING OIL GENERAL [] [] [] [PURPOSE 5GA]		RM03
9150-00-231-6676	LUBRICATING OIL [] [] [] [TURBINE ENGINE 55GA]		RM03
9150-00-231-6689	LUBRICATING OIL GENERAL [1QT] [] [PURPOSE]		RM03
9150-00-231-9062	LUBRICATING OIL GENERAL [] [] [] [PURPOSE 5GA]		RM03
9150-00-231-9071	BRAKE FLUID AUTOMOTIVE [1GAL] [] []		RM03
9150-00-234-5199	LUBRICATING OIL [5LB] [] [] [PETRO BASED]		RM03
9150-00-235-5532	GREASE [5#] [] [] [GENERAL PURPOSE]		RM03
9150-00-235-5556	GREASE [] [] [] [GENERAL PURPOSE]		RM03
9150-00-235-5580	LUBRICATING OIL [1QT] [] [] [COLLOIDAL GRAP]		RM03
9150-00-235-5581	LUBRICATING OIL [1GAL] [] [] [COLLOIDAL GRAP]		RM03
9150-00-235-5584	LUBRICATING OIL [1GAL] [] [] [COLLOIDAL GRAP]		RM03
9150-00-235-9061	LUBRICATING OIL [5GAL] [] [] [PETRO BASED]		RM03
9150-00-252-6173	LUBRICATING OIL [4 FL OZ] [] [] [GENERAL PURPOSE IN CAN]		RM03
9150-00-252-6303	LUBRICATING OIL ENGINE [] [] [] []		RM03
9150-00-252-6375	BRAKE FLUID AUTOMOTIVE [1PT] [] [] []		RM03
9150-00-252-6378	HYDRAULIC FLUID [1GAL] [] [] [PETRO BASE]		RM03
9150-00-252-6380	CUTTING FLUID [5GAL] [] [] [TYPE I]		RM03
9150-00-252-6383	LUBRICATING OIL ENGINE [] [] [] []		RM03
9150-00-257-5426	CUTTING FLUID [5GAL] [] [] []		RM03
9150-00-257-5445	LUBRICATING OIL [1GAL] [] [] [RAILWAY]		RM03
9150-00-261-7895	FOG OIL [] [] [] []		RM03
9150-00-261-7899	PENETRATING OIL [1PT] [] [] []		RM03
9150-00-261-7905	LUBRICATING OIL [2OZ] [] [] [COLLOIDAL GRAP]		RM03
9150-00-261-7906	LUBRICATING OIL [2OZ] [] [] [COLLOIDAL GRAP]		RM03
9150-00-261-8144	CUTTING FLUID [55GAL] [] [] []		RM03
9150-00-261-8318	HYDRAULIC FLUID [] [] [] [PETRO BASE]		RM03
9150-00-265-9405	CUTTING FLUID [1GAL] [] [] []		RM03
9150-00-265-9407	HYDRAULIC FLUID [1QT] [] [] [PETRO BASE]		RM03
9150-00-265-9408	HYDRAULIC FLUID [55GAL] [] [] [PETRO]		RM03
9150-00-269-8255	GREASE [1.75 LB] [] [] [AIRCRAFT]		RM03
9150-00-273-2388	LUBRICATING OIL [1QT] [] [] [AIR ENGINE]		RM03
9150-00-273-2389	LUBRICATING OIL [4FLOZ] [] [] [GENERAL PURPOSE PETROLEUM BASE]		RM03
9150-00-273-8663	LUBRICATING OIL [1QT] [] [] [VACUUM PUMP]		RM03
9150-00-273-8807	LUBRICATING OIL [1GAL] [] [] [AIR ENGINE]		RM03
9150-00-273-8810	LUBRICATING OIL [1QT] [] [] [AIR ENGINE]		RM03
9150-00-292-9657	LUBRICATING OIL [1G] [] [] [REFRIG COMPRESSOR]		RM03
9150-00-292-9687	LUBRICATING OIL WEAPONS [5GAL] [] []		RM03
9150-00-292-9689	LUBRICATING OIL WEAPONS [1QT] [] []		RM03
9150-00-364-7837	LUBRICATING OIL [] [] [] []		RM03
9150-00-402-2372	LUBRICATING OIL ENGINE [5G] [] [] [SYNTHETIC]		RM03
9150-00-412-2065	LUBRICATING OIL [] [] [] [AIR PISTON ENGINE1Q]		RM03
9150-00-412-2066	LUBRICATING OIL [] [] [] [AIR PISTON ENGINE1Q]		RM03
9150-00-431-4087	GREASE [1 OZ] [] [] [LABORATORY APPARATUS STOP TUBE]		RM03
9150-00-435-2712	DAMPING FLUID [1#] [] [] [SILICONE]		RM03
9150-00-449-7819	OIL BATH VISCOSIMETER [] [] [] []		RM03
9150-00-458-0075	LUBRICATING OIL GENERAL [16OZ] [] [] []		RM03
9150-00-473-9849	LUBRICATING OIL [1QT] [] [] [PROPELLER]		RM03
9150-00-478-0055	GREASE AIRCRAFT [] [] [] [140Z CARTRIDGE]		RM03
9150-00-487-4219	DAMPING FLUID [1GAL] [] [] [SILICONE]		RM03
9150-00-506-8497	LUBRICANT [6OZ] [] [] [DRIVE SHAFT TUBE]		RM03
9150-00-513-0561	HYDRAULIC FLUID [] [] [] [TRIARYLPHOSPHATE]		RM03
9150-00-526-4205	GREASE [1#] [] [] [BALL/ROLLER BEARING]		RM03
9150-00-534-0150	GREASE [] [] [] [GENERAL PURPOSE]		RM03
9150-00-542-1430	LUBRICATING OIL GENERAL [4OZ] [] [] [PURPOSE]		RM03
9150-00-577-5849	LUBRICATING OIL GEAR [55GAL] [] [] []		RM03
9150-00-582-5480	LUBRICATING OIL GENERAL [55G] [] [] [PURPOSE]		RM03
9150-00-598-2911	LUBRICATING OIL [1QT] [] [] [REFRIG COMP]		RM03
9150-00-598-7122	LUBRICATING OIL [4OZ] [] [] [COLLOIDAL GRAP]		RM03
9150-00-598-7123	PENETRATING OIL [8OZ] [] [] []		RM03
9150-00-616-9020	GREASE AIRCRAFT [1#] [] [] []		RM03
9150-00-663-1360	CUTTING FLUID [] [] [] []		RM03
9150-00-681-5999	LUBRICATING OIL [] [] [] [AIR ENGINE SYN 55GA]		RM03
9150-00-687-4241	LUBRICATING OIL SEMIFLUID [1QT] [] [] []		RM03
9150-00-698-2382	HYDRAULIC FLUID [1QT] [] [] [AUTO TRANSMISS]		RM03
9150-00-706-5998	LUBRICANT [4OZ] [] [] [TURBINE]		RM03
9150-00-753-4667	LUBRICATING OIL [] [] [] []		RM03
9150-00-753-4686	LUBRICATING OIL SEMIFLUID [1GAL] [] [] []		RM03
9150-00-753-4799	LUBRICATING OIL [1GAL] [] [] [GEN PURPOSE]		RM03
9150-00-753-5041	UNUSED LUBE OIL (HALOCARBON) [1GAL] [] [] []		RM03
9150-00-754-0064	LUBRICANT [12OZ] [] [] [SOLID FILM]		RM03
9150-00-782-2627	LUBRICATING OIL [1QT] [] [] [AIR ENGINE]		RM03
9150-00-782-2679	LUBE OIL [55GAL] [] [] [AIRCRAFT]		RM03
9150-00-823-7860	LUBRICATING COMPOUND [1#] [] []		RM03

NSN	NOMENCLATURE NOUN [SIZE] [FORM] [GRADE] [MISC]	EPA HAZ WASTE NO.	CODE	DISP CODE
	[]			
9150-00-823-8048	GREASE [] [] [] [BALL & ROLLER]			RM03
9150-00-830-6436	GREASE [] [] [] [INSTRUMENT]			RM03
9150-00-834-5608	LUBRICANT [1PT] [] [] [SOLID FILM]			RM03
9150-00-889-3522	LUBRICATING OIL SEMIFLUID [4OZ] [] [] []			RM03
9150-00-926-8963	GRAPHITE [2-3OZ] [] [] []			RM03
9150-00-935-1017	GREASE AUTO/ARTILLERY [14OZ] [] [] [CARTRIDG]			RM03
9150-00-935-5851	GREASE AIRCRAFT [35#] [] [] []			RM03
9150-00-935-6597	LUBRICATING OIL SEMIFLUID [2OZ] [] [] []			RM03
9150-00-935-9808	HYDRAULIC FLUID [1GAL] [] [] []			RM09
9150-00-935-9809	HYDRAULIC FLUID [5GAL] [] [] []			RM09
9150-00-935-9810	HYDRAULIC FLUID [] [] [] [PETRO BASE]			RM03
9150-00-948-6912	LUBRICANT [1QT] [] [] [SOLID FILM]			RM03
9150-00-948-7025	LUBRICANT [1GAL] [] [] [SOLID FILM]			RM03
9150-00-964-9228	LUBRICANT [1PT] [] [] [SOLID FILM]			RM03
9150-00-965-2303	LUBRICATING OIL [5GAL] [] [] [AIR ENGINE]			RM03
9150-00-965-2305	LUBRICATING OIL [] [] [] []			RM03
9150-00-985-7099	LUBRICATING OIL [1QT] [] [] [AIRCRAFT TURBOSHAFT ENGINE SYNTHETIC]			RM03
9150-00-985-7231	LUBRICATING OIL GENERAL [1QT] [] [] []			RM03
9150-00-985-7237	HYDRAULIC FLUID [] [] [] [PETROLEUM BASE]			RM03
9150-00-985-7248	GREASE [] [] [] [2-3]			RM03
9150-00-985-7255	LUBRICANT [1GAL] [] [] [SOLID FILM]			RM03
9150-00-C90-0278	GREASE SILICONE [] [] [] []			RM03
9150-01-035-5392	LUBRICATING OIL GEAR [] [] [] []			RM03
9150-01-035-5393	LUBRICATING OIL [] [] [] []			RM03
9150-01-035-5394	LUBRICATING OIL [55GAL] [] [] [GEAR]			RM03
9150-01-035-5395	LUBRICATING OIL [5GAL] [] [] [GEAR]			RM03
9150-01-042-6495	CUTTING FLUID [1GAL] [] [] [CAN]			RM03
9150-01-053-6688	LUBRICANT [] [] [] [CLEANER AND PRESERVATIVE]			RM03
9150-01-054-6433	LUBRICANT [] [] [] [CLEANER AND PRESERVATIVE]			RM03
9150-01-079-6123	LUBRICANT [] [] [] [CLEANER & PRESERVATIVE]			RM03
9150-01-079-6124	LUBRICANT [] [] [] [CLEANER & PRESERVATIVE]			RM03
9150-01-079-6125	LUBRICANT [] [] [] [CLEANER AND PRESERVATIVE]			RM03
9150-01-102-9455	BRAKE FLUID AUTOMOTIVE [1GAL] [] []			RM03
9150-01-113-2046	R [] [] [] []			RM01
9150-01-113-2047	HYDRAULIC FLUID [] [] [] [FIRE RESISTANT]			RM03
9150-01-240-8697	GREASE [] [] [] [LABORATORY APPARATUS STOP TUBE]			RM03
9150-01-253-1055	GREASE [] [] [] [GENERAL PURPOSE]			RM03
9150-01-254-7641	LUBRICATING OIL [] [] [] [GEAR]			RM03
9150-01-258-6455	LUBRICATING OIL [] [] [] [HYDRAULIC]			RM03
9150-01-258-6456	GREASE [] [] [] [GENERAL PURPOSE]			RM03
9150-01-261-5921	LUBRICATING OIL [] [] [] [INSTRUMENT]			RM03
9150-01-264-1361	LUBRICATING OIL [] [] [] [VACUUM PUMP]			RM03
9150-01-283-1055	GREASE [] [] [] [GENERAL PURPOSE]			RM03
9150-01-300-6561	LUBRICATING OIL [] [] [] [GEN PURPOSE]			RM03
9150-01-304-6506	LUBRICATING OIL [] [] [] [GEN PURPOSE]			RM03
9150-01-315-3732	HYDRAULIC FLUID [] [] [] [NONCOMBUSTIBLE]			RM03
9150-01-319-8257	ADDITIVE [12 OZ] [] [PENTANE] [OIL]			RM03
9150-01-328-5259	GREASE [] [] [] [GENERAL PURPOSE]			RM03
9150-01-344-6628	LUBRICATING OIL [] [] [] [GEAR]			RM03
9150-01-369-5852	DRY LUBRICANT [] [] [] [STERILE]	D001	I	HW01
9150-06-935-1017	ACETONE [] [TAB] [] []	U002	TI	HW01
9160-00-082-2428	INSULATING [] [] [] [OIL ELEC]			RM03
9160-00-663-1360	OIL [] [] [] [SPECIAL PURPOSE]			RM03
9160-00-664-0051	INSULATING [] [LIQUID] [] [ELECTRICAL]			RM03
9160-00-685-0911	INSULATING [55GAL] [] [] [OIL ELEC]			RM03
9160-00-685-0913	INSULATING OIL [] [] [] [ELECTRICAL]			RM03
9160-00-685-0914	INSULATING [] [] [] [OIL ELEC]			RM03
9160-01-287-8138	INSULATING OIL [] [] [] [ELECTRICAL]			RM03
9160-01-330-3809	INSULATING OIL [] [] [] [ELECTRICAL]			RM03
9310-01-176-7542	CHART [] [] [] [PAPER]			C100
9310-01-262-4493	PAPER [] [] [] [CHART, LITHOGRAPHIC]			AC01
9320-00-017-4909	BELLOWS RUBBER [] [] [] []			C100
9320-00-500-0280	RUBBER STRIP [] [] [] []			C100
9320-00-573-7441	RUBBER STRIP [] [] [] []			C100
9320-00-729-6569	RUBBER STRIP [] [] [] []			C100
9320-00-729-6570	RUBBER STRIP [] [] [] []			C100
9320-00-756-1698	RUBBER STRIP [] [] [] []			C100
9320-01-254-7631	RUBBER SHEET [] [] [] [CELLULAR]			RM03
9320-01-254-7634	RUBBER SHEET [] [] [] [CELLULAR]			RM03
9320-01-254-7635	RUBBER SHEET [] [] [] [CELLULAR]			RM03
9320-01-254-7636	RUBBER SHEET [] [] [] [CELLULAR]			RM03
9320-01-254-7637	RUBBER SHEET [] [] [] [CELLULAR]			RM03
9320-01-254-7638	RUBBER SHEET [] [] [] [CELLULAR]			RM03
9320-01-269-1932	RUBBER STRIP [0.500 INCH] [] [] []			C100
9320-01-277-0480	RUBBER SHEET [] [] [] [CELLULAR]			RM03
9320-01-279-2396	RUBBER SHEET [] [] [] [SOLID]			RM03
9320-01-369-3118	RUBBER SHEET [] [] [] [CELLULAR]			RM03
9330-00-282-8330	PLASTIC SHEET [] [] [] []			C100
9330-00-464-0674	PLASTIC SHEET [] [] [] [POLYETHYLENE TERE...]			C100
9330-00-684-1823	PLASTIC SHEET [] [] [] [OPAQUE, 20, .01, 50 INCHES]			C100
9330-00-926-4573	WINDOW [] [] [] [OBSERVATION]			C100
9330-00-C90-0335	PLASTIC SHEET [] [] [] []			C100
9330-01-018-1918	PLASTIC SHEET [] [] [] []			C100
9330-01-168-0567	PLASTIC SHEET [] [] [] [MOLDED]			C100
9330-01-178-3937	PLASTIC STRIP [] [] [] [LAMINATED AND WOVEN LATTICE]			C100
9330-01-187-7751	WINDOW [] [] [] [OBSERVATION, X-RAY SYSTEM]			C100
9330-01-188-5298	WINDOW [] [] [] [OBSERVATION, X-RAY SYSTEM]			C100
9330-01-239-2526	PLASTIC SHEET [] [] [] [FOR ORTHOTIC DEVICES]			C100
9330-01-239-9800	PLASTIC STRIP [] [] [] [CELLULAR, UNEXPLODED]			C100
9330-01-241-4943	PLASTIC STRIP [] [] [] [CELLULAR, UNEXPLODED]			C100
9330-01-249-2129	PLASTIC STRIP [] [] [] [CELLULAR, UNEXPLODED]			C100
9330-01-272-2033	PLASTIC STRIP [] [] [] [MAGNETIZED]			RM03
9330-01-275-8742	PLASTIC SHEET [] [] [] [POLYPROPYLENE]			C100
9330-01-275-8743	PLASTIC SHEET [] [] [] [POLYETHYENE]			C100
9330-01-275-8744	PLASTIC SHEET [] [] [] [POLYPROPYLENE]			C100
9330-01-370-2208	PLASTIC SHEET [] [] [] []			C100
9330-01-371-1163	PLASTIC SHEET [] [] [] [POLYPROPYLENE]			C100
9340-00-386-9682	GLASS TUBING [] [] [] []			C100
9340-00-386-9683	GLASS TUBING [] [] [] []			C100
9340-00-386-9685	GLASS TUBING [] [] [] []			C100
9340-00-386-9686	GLASS TUBING [] [] [] []			C100
9340-00-386-9695	GLASS TUBING [] [] [] []			C100
9340-00-386-9774	TUBING [] [] [] [REA, GLASS]			C100
9340-00-386-9928	WINDOW [] [] [] [OBSERVATION]			C100
9340-00-684-0241	WINDOW [] [] [] [OBSERVATION]			C100
9340-00-729-5428	GLASS TUBING [] [] [] []			C100
9340-00-729-5429	GLASS TUBING [] [] [] []			C100
9340-00-826-3018	MIRROR [] [] [] [GLASS]			C100
9340-00-926-4625	TUBING [] [] [] [REA, GLASS]			C100
9340-01-189-3925	WINDOW [] [] [] [OBSERVATION, 7.563X6.5X.063 INCHES]			C100
9340-01-256-3224	WINDOW [1.250 INCH] [] [] [OBSERVATION]			C100
9340-01-277-5320	TUBING [2.0 INCHES] [] [] [GLASS]			C100
9340-01-292-7746	MIRROR [] [] [] [GLASS]			C100
9340-01-292-7747	MIRROR [] [] [] [GLASS]			C100
9350-00-025-8968	BRICK REFRACTORY [] [] [] []			C100
9350-00-216-2022	BRICK REFRACTORY [] [] [] []			C100
9350-00-292-7567	BRICK REFRACTORY [] [] [] []			C100
9390-00-270-2456	WICK [] [] [] []			AC01
9390-00-282-4161	DIATOMACEOUS EARTH [50#] [] [] []			C100
9390-00-285-6550	BENTONITE [100LB] [POWDER] [] [WESTERN]			C100
9390-00-809-0944	NONMETALLIC CHANNEL [] [] [] []			AC01
9390-01-254-4182	WICK [] [] [] []			AC01
9390-01-254-4183	WICK [] [] [] []			AC01
9390-01-293-8668	WICK [] [] [] []			AC01
9390-01-301-8186	WICK [] [] [] []			AC01
9390-01-302-5529	CORK AND RUBBER SHEET [] [] [] []			AC01
9390-01-338-5436	BAND [] [] [] [HEAT SHRINKABLE]			AC01
9390-01-356-1250	WICK [] [] [] []			AC01
9390-01-362-3897	CORK AND RUBBER SHEET [] [] [] []			AC01
9505-00-C09-3204	CURETTE [] [] [] [N N]			C100
9510-01-190-8575	ROD [] [] [] []			C100
9515-01-213-2637	PLATE [] [] [] [IRON PLATE]			C100
9515-01-303-6177	PLATE [] [] [] [METAL]			C100
9520-01-325-3708	BEAM [] [] [] [STRUCTURAL]			RM03
9525-00-277-4268	WIRE [1983 FEET] [] [CLASS A] [NONELECTRICAL]			C100
9525-00-554-4070	WIRE [203 FEET] [] [CLASS A] [NONELECTRICAL]			C100
9525-00-596-3505	WIRE [6060 FEET] [] [CLASS A] [NONELECTRICAL]			C100
9525-00-803-3044	WIRE [1640 FEET] [] [CLASS A] [NONELECTRICAL]			C100
9525-01-366-4740	WIRE [] [] [] [NONELECTRICAL]			C100
9535-00-541-2453	METAL FOIL [] [] [] []			RM03
9535-01-201-7014	FOIL [] [] [] [FOR SOLAR STILL & SIGNALING]			AC01
9545-00-127-7124	WIRE [1OZ] [] [] [NONELECTRICAL SILVER]			C100
9545-00-448-9010	WIRE [] [] [] [NONELECTRICAL]			C100
9545-00-448-9110	WIRE [] [] [] [NONELECTRICAL]			C100
9620-01-025-1508	GRAPHITE [1 LB CAN] [] [] [DRY]			RM03
9630-00-267-4153	FERROCHROMIUM [] [] [] [ALLOYING ADDITIVE**ALSO D009 E**]	D001	I	HW01
9650-00-312-6640	LEAD SHOT [] [] [] []	D008	E	HW01
9650-00-741-9704	LEAD SHOT [] [] [] []	D008	E	HW01
9660-00-042-7733	GOLD [] [] [] [SAF]			RM02
9660-00-042-7765	PALLADIUM [] [GRANULE] [] []			RM02
9660-00-042-7768	PLATINUM [] [GRANULE] [] []			RM02
9660-00-106-9432	SILVER [8OZ] [] [] []			RM02
9660-00-151-4050	PLATINUM SPONGE [] [] [] []			RM02
9660-01-010-2625	RHODIUM [] [] [] []			RM02
9660-01-011-1937	IRIDIUM [] [] [] [INH]			RM02
9660-01-039-0313	RUTHENIUM [] [] [] [SUR]			RM02
9660-01-039-0320	PALLADIUM SPONGE [] [] [] []			RM02
9905-00-202-3639	REFLECTOR [] [] [] [INDICATING CLEARANCE]			C100
9905-00-205-2795	REFLECTOR [] [] [] [INDICATING CLEARANCE]			C100
9905-00-537-8957	TAG [] [] [] [MARKER]			C100
9905-01-228-9424	CARD [] [] []			C100

DISCLAIMER

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A001

I. INCINERATION. Dispense aerosol contents onto an absorbent material prior to incinerating. Mix the intact item/ampule and their packaging with general refuse and incinerate. To prevent the production of excessive air pollutants, the disposal item or combination of similar items shall not exceed 1 percent by weight of the total waste load charged to the incinerator at any one time.

II. SANITARY SEWER. Do not discharge this item into the sanitary sewer.

III. SANITARY LANDFILL.

A. End Item. This item cannot be buried in a permitted sanitary landfill.

B. Empty End Item Container or Water-filled Container. These items can be buried in a permitted sanitary landfill.

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B005

I. SANITARY SEWER. Discharge this item into the sanitary sewer.

II. SANITARY LANDFILL. The empty container and paraphernalia shall be crushed and buried in a permitted sanitary landfill.

III. INCINERATION. Do not incinerate this item.

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B007

I. SAFETY AND CONTROL MEASURES. Particular attention should be given to prevent skin contact. Disposal personnel should wear at least midarm impervious gloves, full-length impervious apron. A faceshield and/or full face respirator approved for this item should be available if any odor is noticed during mixing or loading.

II. INCINERATION. Do not incinerate this item.

III. SANITARY LANDFILL. Do not bury this item in a sanitary landfill.

IV. SANITARY SEWER. Glycol/water mixture of the following strengths shall be disposed into the sanitary sewer system at the sewage treatment plant assuming an allowable daily increase of 25 ppm biological oxygen demand (BOD) loading for a flow of 1,000,000 gallons per day. The allowable daily increase is only applicable where the installation is meeting its National Pollutant Discharge Elimination System Permit with a comfortable margin approaching 2 mg/L. The discharge shall be coordinated with treatment plant operations to ensure proper performance during discharge:

B007 Continued

% Mixture (Ethylene Glycol/Water)	Gallons/1 mgd for 25 mg/L BOD Increase*
10	240
20	120
30	80
40	60
50	40

* Smaller allowable BOD increases will result in proportionally less waste loading.

The above material shall be metered uniformly over a 12-hour period with enough water to ensure adequate flushing. An easy way to determine the percent of ethylene glycol in the solution would be with an antifreeze tester and the following chart. Thoroughly mix the antifreeze/water solution and test with the antifreeze tester; determine the percent ethylene glycol from the chart. For example, if the antifreeze tester shows protection to 12 °F, the solution would be 20 percent ethylene glycol; if the tester shows protection to 6 °F, the solution would be 25 percent ethylene glycol.

% Ethylene Glycol	Temperature Protected to °F
10	+23
20	+12
30	-01
40	-24
50	-54

DISCLAIMER

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B011

I. SAFETY AND CONTROL MEASURES. Disposal personnel handling this item should wear safety glasses, impervious gloves, and a protective laboratory coat. A National Institute for Occupational Safety and Health respirator approved for this item should be available.

II. SANITARY SEWER. The recommended method of disposal is neutralization followed by discharge into the sanitary sewer. Neutralization reactions of acids are exothermic; therefore, caution shall be exercised during chemical treatment procedures. In a vessel equipped with a stirring device, add sufficient water to the chemical to obtain a maximum 5 percent solution. While stirring, neutralize to approximately pH 7 by addition of a lime slurry. The pH can be determined by using pH test paper. Allow the metal hydroxide precipitate to settle. Drain the supernatant into the sanitary sewer at a rate not to exceed 3 gallons per hour for each 100,000 gallons of average daily sewage flow at the sewage treatment plant.

III. SANITARY LANDFILL.

A. End Item. Do not bury this item in a sanitary landfill.

B. Sludge. Sludge from the neutralization procedure may be buried in a permitted sanitary landfill.

IV. INCINERATION. Do not incinerate this item.

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CB01

I. SAFETY AND CONTROL MEASURES. Disposal personnel handling this item should wear splashproof chemical safety goggles, impervious gloves, and a protective laboratory coat.

II. SANITARY SEWER. This item may be discharged into the sanitary sewer at a rate not to exceed 5 gallons per hour for each 100,000 gallons per day of average daily sewage flow at the sewage treatment plant.

III. SANITARY LANDFILL. The container and contents shall be crushed/broken prior to burial in a permitted sanitary landfill. Rate shall not exceed 1 percent by weight per day of the total quantity of refuse collected and buried.

IV. INCINERATION. Do not incinerate this item.

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C100

I. SANITARY LANDFILL. This item and its container shall be crushed/broken prior to burial in a permitted sanitary landfill. Rate shall not exceed 1 percent by weight per day of the total quantity of refuse collected and buried.

II. SANITARY SEWER. Do not discharge this item into the sanitary sewer.

III. INCINERATION. Do not incinerate this item.

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HW01
HAZARDOUS WASTE. Commercial Contract.

DISCLAIMER

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HW17

I. COMMERCIAL CONTRACT.

II. SAFETY AND CONTROL MEASURES. Disposal personnel should wear coveralls; acid resistant gloves, apron and boots; and chemical safety goggles or faceshield. A National Institute for Occupational Safety and Health respirator approved for this item should be available.

III. SANITARY SEWER. The recommended method of disposal for excess, unused items is neutralization followed by discharge into the sanitary sewer. Neutralization reactions of bases are exothermic; therefore, caution shall be exercised during chemical treatment procedures. Concentrated bases should be diluted into water to obtain approximately a 10 percent solution prior to initiating neutralization procedures. NOTE: While stirring slowly pour the base into the water. Rinse the empty base container three times with water and add the rinse solution to the diluted base. While stirring slowly add a dilute hydrochloric acid solution (approximately 10 percent) until a pH of 6 to 8 is obtained. After stirring the pH can be determined using pH test paper. The neutralized solution can be drained slowly into the sanitary sewer at a rate not to exceed 3 gallons per hour for every 100,000 gallons of average daily sewage flow.

IV. INCINERATION. Do not incinerate this item.

V. SANITARY LANDFILL. Do not bury this item in a sanitary landfill.

NOTE: Elementary neutralization for items that exhibit **ONLY** the corrosive characteristic prior to discharge.

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RM01

I. RECOVERY. Report this item to DRMO in accordance with Defense Disposal Manual DOD 4160.21-M (with pertinent supplements/messages) for transfer, donation, sale or silver recovery. The DRMO will only accept accountability for this item. Proper security and handling requirements are the generating activities responsibility. Special disposition is required by Defense Reutilization and Marketing Service (DRMS) as addressed in DOD 4160.21-M due to the potential recovery of previous metals.

II. STORAGE. When silver-bearing scrap is received by DRMO, it shall be afforded appropriate storage and recorded on accountable records. This item shall be accumulated at the local DRMO until sufficient amounts are received for recovery. If physical custody is not immediately accepted by the DRMO, the item shall be afforded sufficient secured storage by the installation.

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RM03

I. RECOVERY. This item is not classified as a hazardous waste by the Resource Conservation and Recovery Act (RCRA) of 1976. Coordinate with your Defense Reutilization and Marketing Office (DRMO) on the recovery of this item.

II. DISPOSAL.

A. Coordinate with your DRMO. This entire item or parts thereof may be recyclable. Send entire item to the DRMO for recovery.

B. Alternate Method of Disposal. If your DRMO does not recover or recycle this item or any parts of it, dispose of this item in the sanitary landfill.

1. Sanitary Landfill. If possible, crush/break the item prior to disposal. Rate shall not exceed 1 percent by weight per day of the total quantity of refuse collected and buried.

2. Incineration. Do not incinerate this item.

3. Sanitary Sewer. Do not discharge this item into the sanitary sewer.

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RM09

I. BACKGROUND. This product may contain 1.0 percent tricresyl phosphate which may be absorbed through the skin and produces paralysis if taken internally. The corrosion inhibitor may contain barium. Accumulated waste liquids shall have the exterior of the outer pack marked as containing barium (if present) and tricresyl phosphate to assist disposal facilities managing the product.

II. SAFETY AND CONTROL MEASURES. Personnel working with the product should wear appropriate impervious clothing to prevent repeated or prolonged skin contact. Respirators are not required unless there is an inhalation exposure to mists. If skin or clothing becomes moistened with the product, personnel shall promptly wash with soap or mild detergent and water.

III. FIELD OPERATION SPILLS AND DEPOT-TYPE OPERATIONS. Depending on the size of spills, paper towels or absorbents shall be used to absorb the liquid. Contaminated soil shall be removed and placed in a box with absorbents or towels. Disposal options are:

A. Sanitary Landfill.

1. Spill Cleanup Wastes. This product can be buried along with ordinary refuse. Rate shall not exceed 10 pounds of cleanup waste per spill event. Bulk wastes and contaminated liquids shall not be landfilled.

RM09 Continued

2. Empty Containers. Tops from one-time-use containers shall be disposed with ordinary refuse. No special decontamination procedures are required for empty containers or their lids. Containers shall be made as empty as possible using gravity draining. Drained containers shall be crushed and buried in a permitted sanitary landfill.

B. Incineration.

1. Spill Cleanup Wastes. This product can be incinerated in a permitted municipal waste incinerator.

2. Containers. No special decontamination procedures are required for empty containers. Containers shall be made as empty as possible using gravity draining. Drained containers can be incinerated with general refuse.

C. Recycle.

1. Contaminated Product. Partially full containers shall be collected centrally and stored for later recycle or heat recovery use. Liquids for recycle or heat recovery shall be accumulated by repouring in appropriately sized and labeled larger containers. State requirements may vary regarding recycle alternatives.

2. Used Product. Used products drained from hydraulic systems shall be combined with unused contaminated fluid from partially full containers and stored for recycle.

D. Sanitary Sewer. Do not discharge this item into a sanitary sewer.

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RM11

I. Recovery.

A. Disposal of organic solvents as waste is not acceptable except for that small fraction of the total solvent waste stream which cannot be recycled (i.e., the still bottoms and sludges) or for small volumes (less than 400 gallons per year total) of all solvents generated at one installation. One hundred kilograms per month is approximately 400 gallons per year of organic solvent. The exact volume depends on the specific gravity of the solvent. Disposal of small volumes of waste must be by sale to a resource recovery facility or by transfer to an approved hazardous waste disposal facility.

B. The preferred disposition of used solvents is recycling either on or off the generating installation using solvent reclamation equipment. Disposal of most nonchlorinated solvents (e.g., mineral spirits) by burning as a fuel replacement to extract the heating value is an acceptable form of recycle. Burning solvents for disposal purposes only is NOT acceptable.

RM11 Continued

C. An alternative means of solvent disposal is sale through a DRMO. This should be used only if there are overriding reasons which rule out recycle.

II. Commercial Contract. This item is a hazardous waste.

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SWB1

I. COMMERCIAL CONTRACT.

II. SAFETY AND CONTROL MEASURES. Disposal personnel handling this item should wear coveralls, acid-resistant gloves, apron and boots; chemical safety goggles/faceshield. A National Institute for Occupational Safety and Health respirator approved for this item should be available

III. SANITARY SEWER.

A. Preferred Method. The preferred method of disposal is neutralization followed by discharge into the sanitary sewer. Fill with water (72 °F minimum) a large container equipped with a stirring device and add sodium sulfite not to exceed 10 percent (maximum) of the water weight. For every unit weight of sodium sulfite in solution, add 1.8 unit weights of the disposal item; 28 pounds of sodium sulfite are mixed with 35 gallons of water to reduce 50 pounds of the disposal item. Let the mixture stand for 5 minutes and test for a chlorine residual of zero. If necessary add small amounts of sodium sulfite until the residual is zero. Neutralize to pH 7 with 6 molar hydrochloric acid and allow to settle. The pH can be determined by using pH test paper. Decant the supernatant into the sanitary sewer with a large excess of water.

SWB1 Continued

B. Alternative Method.

1. Primary Sewage Treatment. In a sufficiently large container, slowly add the disposal item to water at a rate of 1 pound to 1 gallon of water. Mix, let stand for 15 minutes, and drip into the sanitary sewer or into the final clarifier effluent (in addition to or as a substitute for the usual final chlorinate depending on chlorine demand) at a rate not to exceed 1 gallon per hour for each 100,000 gallons of average daily sewage flow at the sewage treatment plant. NOTE: The sewage treatment plant's effluent shall be tested prior to discharge for total chlorine residual with sufficient frequency to ensure that it complies with applicable State and Federal standards.

2. Secondary Sewage Treatment. In a sufficiently large container, slowly add the disposal item to water at a rate of 1 pound to 1 gallon of water. Mix, let stand for 15 minutes and drip into the final clarifier effluent (in addition to or as a substitute for the usual final chlorination depending upon chlorine demand) at a rate not to exceed 1/2 gallon per hour for each 100,000 gallons of average daily flow at the sewage treatment plant. NOTE: The sewage treatment plant's effluent shall be tested prior to discharge for total chlorine residual with sufficient frequency to ensure that it complies with applicable State and Federal standards.

IV. SANITARY LANDFILL.

A. End Item. Do not bury this item.

B. Sludge. Sludge from the neutralization procedure may be buried in a permitted sanitary landfill.

V. INCINERATION. Do not incinerate this item.